



# OBSERVATONS,

Mentioned in a following INDEX, and made upon the Bills of Mortality.

By fOHX GRAUNT,

Citizen of

# LONDON.

With reference to the Government, Religion, Trade, Growth, Ayr, Diseases, and the several Changes of the said CITY.

--- Non, me ut miretur Turba, laboro, Contentus paucis Lectoribus.---

The Second EDITION.

LONDON.

Printed by The: Reyereft, for John Martin, James Allefry, and The: Disse, at the Sign of the Bell in St. Peaks.

Church yard, M.D.C. L.X.I.L.

\* Same and the second Wighterforce or the Granular Artigues Theory SEED TO THE PROPERTY OF THE PARTY OF THE PAR Continue march 1853 a free from

824:98

Printed by Marie 19 years (15) polymer or forms, some formal land is obtained by the contract of the contract

#### RIGHT HONOURABLE

JOHN Lord ROBERTS, Baron of Truro, Lord Privie-Seal, and one of his Majestie's most Honourable Privie Council.

My Lord,



Sthe favours I have received from your Lordship oblige me to present you with some token of my gratitude: fo the especial Honour I have for your Lordship hath made me solliciteus

in the choice of the Present. For, if I could have given your Lordship any choice Excerptions out of the Greek, ot Latine Learning, I should (according to our English Proverb) thereby but carry Coals to Newcastle, and but give your Lordship Puddle-water, who, by your own eminent Knowledge in those learns ed Languagues, can drink out of the very Fountains your self.

Moreover, to present your Lordship with tedious Narrations, were but to speak my own Ignorance of the Value, which his Majesty, and the Publick have of your Lordship's Time. And in brief, to offer any thing like what is already in other Books, were but to derogate from your Lordship's learning, which the World knows to be univerfal, and unacquainted with few

useful things contained in any of them.

Now having (I know not by what accident) engaged my thoughts upon the Bills of Mortality, and so far fucceeded therein, as to have reduced feveral great confuled Volumes into a few perspicuous Tables, and abridge

ed fuch Observations as naturally flowed from them, into a few fuccinct Paragraphs, without any long Series of multilequious Deductions, I have prefumed to facrifice these my small, but first publish'd, Labours unto your Lordship, as unto whose benigne acceptance of some other of my Papers, even the Birth of thele is due; hoping (if I may without vanity fay it) they may be of as much use to Persons in your Lordship's place, as they are of little or none to me, which is no more then the fairest Diamonds are to the Journey man Jewieller that works them, or the poor Labourer that first dig'd them from the Barth. For with all humble submission to your Lordship, I conceive, That it doth not ill become a Peer of the Parliament, or Member of his Majestie's Council, to consider how few starve of the many that beg: That the irreligious Propojals of some, to multiply People by Polygamy, is withall irrational, and fruitless: That the troublesome seclusions in the Plague-time is not a remedy to be purchased at vast inconveniencies: That the greatest Plagues of the City are equally, and quickly repaired from the Country: That the wasting of Males by Wars, and Colonies do not prejudice the due proportion between them and Females: That the Opinions of Plagues accompanying the Entrance of Kings, is false, and seditious: That London, the Metropolis of England, is perhaps a Head too big for the Body, and possibly too strong: That this Head grows three times as fast as the Body unto which it belongs, that is, It doubles its People in a third part of the time: That our Parishes are now grown madly disproportionable: That our Temples are not sutable to our Religion: That the Trade, and very City of London removes Weltward: That the walled City is but a one fifth of the whole Pyle:

#### The Epiftle Dedicatory.

That the old Streets are unfit for the present frequencie of Ecaches: That the passage of Ludgate is a throat too straight for the Body: That the fighting men about London are able to make three as great Armies, as can be of use in this Island: That the number of Heads is such, as hath certainly much deceived fome of our Senatours in their appointments of Pellmoney, &c. Now, although your Lordship's most excellent Discourses have well informed me, That your Lordship is no stranger to all these Politions ; yet because I knew.not, that your Lordship had ever deduced them from the Bills of Mortality, I hoped it might not be ungratefull to your Lordship, to see unto how much profit that one Talent might be improved, belides the many curiofities concerning the waxing, and waning of Diseases, the relation between bealthfull and fruitfull Seafons, the difference between the City and Country Air, &c. All which, being new, to the best of my knowledge, and the whole Pamphlet, not two hours reading, I did make bold to trouble your Lordship with a perulal of it, and by this humble Dedication of it, let your Lordship and the world see the Wisdom of our City. in appointing, and keeping these Accompts, and with how much affection and fucces, I am,

My Lord,

Tour Lordship's most abedient, and

most faithfull Servant,

Birchen-Lane, 25 January 1663.

JOHN GRAUNT.

#### To the Honourable

### Sir ROBERT MOR AY, Knight,

One of His Majestie's Privy Council for His Kingdom of Scotland, and President of the Royal Society of Philosophers, meeting at Gresham-College, and to the rest of that honourable Society.



ME Observations which I happened to make (for I designed them not) upon the Bills of Mortality, have fallen out to be both Political, and Natural, some concerning Trade, and Government, others concerning the Air, Countries, Seasons, Fruitfulness,

Health, Diseases, Longevety, and the proportions between the Sex, and Ages of Mankind. All which (because St. Francis Bacon reckons his Discourses of Life
and Death to be Natural History; and because I understand your selves are also appointing means, how to measure the Degrees of Heat, Wetness, and Windiness in the
several Parts of His Majestie's Dominions) I am humbly
bold to think Natural History also, and consequently, that
I am obliged to cast in this small Mite into your great
Treasury of that kinde.

His Majesty being not onely by antient Right supremely concerned in matters of Government, and Trade, but also by bappy accident Prince of Philosophers, and of Physico-Mathematical Learning, not called so by Flatterers, and Parasites, but really so, as well by his own personal Abili-

ties,

The Epistle Dedicatory.

ties, me affection concerning those matters, upon which Accompt I Should have humbly dedicated both forts of my Observations unto His most Sacred Majesty; but to be Short, I knew neither my Work, nor my Person fit to bear His name, nor to deferve His Patronage. Nevertheless, as I have presumed to present this Pamphlet, so far as it relates to Government, and Trade, to one of His Majestie's Peers, and eminent Ministers of State: fo I do desire your leave, to present the same unto You also, as it relates to Natural History, and as it depends upon the Mathematiques of my Shop-Arithmetique. For You are not enely his Ma. jestie's Privy Council for Philosophy, but also His Great Council You are the three Estates, viz. the Mathematical, Mechanical, and Physical. You are his Parliament of Nature, and it is no less disparagement to the meanest of your number, to fay there may be Commoners as well as. Peers in Philosophy amongst you. For my own part I count it happiness enough to my felf, that there is fuch a Council of Nature, as your Society is, in being; and I do with as much earnestnels enquire after your Expeditions against the Impediments of Science, as to know what Armies, and Navies the several Princes of the World are setting forth. I concern my felf as much to know who are Curatours of this or the other Experiments, as to know reho are Mareschals of France, or Chancellour of Sweden. I am as well pleased to bear you are satisfied in a luciferous Experiment, as that a breach hath been made in the Enemy's works: and your ingenious arguings immediately from sense, and fact, are as pleasant to me as the noise of victorious Guns, and Trumpets.

Moreover, as I contend for the Decent Rights, and Ceremonies of the Church, so I also contend against the envious Schismaticks of your Society (who think you do nothing unless

#### The Epifile Dedicatory

unless you presently transmute Metals, make Butter and Cheeferrithout Milk; and (as their own Ballad bath it, make Leather without Hides ) by afferting the ufefulness of even all your preparatory, and lusiferous Experiments, being not the Ceremonies, but the substance, and principles of usefull Arts. For, I finde in Trade the mant of an universal mea. fure, and have beard Musicians wrangle about the just and uniform keeping of time in their Conforts, and therefore cannot with patience bear, that your Labours about Vibrations, eminently conducing to both. Should be flighted, nor your Pendula called Swing Iwangs with fcorn, Nor can I better endure, that your Exercitations about Air should be termed fit employment onely for Airy Fancies, and not adequate Tasks for the most solid, and piercing heads. This is my Opinion concerning you, and although I am none of your number, nor have the least ambition to be so, otherwise then to become able for your service, and worthy of your Trust; yet I am covetous to have the right of being represented by you: to which end I defire, that this little Exhibition of mine, may be looked upon as a Free-holder's Vote for the choosing of Knights and Burgesles to fit in the Parliament of Nature, meaning thereby, that as the Parliament owns a Free-holder, though be bath but fourty Spillings a year, to be one of them; To in the fame manner and degree, I also defire to be evened as one of you, and that no leager, then I continue a faithfull Friend, and Servant of your Defigue, and Perfour, symmet alive distributed

Address; as I contourifor the Decent Product, and Core-Market of the Church, for I also contend against the envisous Section of the Church, Society (who think you do nothing Section icks of your, Society (who think you do nothing

entires themselver it is from four and fall, according to the after the to

# An In DE x of the Positions, Observations, and Questions contained in this Discourse.

" Managers, and Convenience" "Me telephone uses.	
He Occasion of keeping the Accompt of Burials arose first from the Plague, Anno 1592, page 3	
2. Seven Alterations, and Augmentations of the pub- listed Bills, between the years 1592, and 1662, pag.	
3. Reasons, why the Ascompts of Burials, and Christinings should be kept universally, and now called for, and per-	
used by the Magistrate,  A true Accompt of the Plague cannot be kept, without	
the Accompt of other Diseases,  p. 12  5. The ignorance of the Searchers no impediment to the	
keeping of sufficient, and usefull Accompts, p.13 6. That about one third of all that were ever quick die un-	1
der five years old, and about thirty fix per Centum under fix,  7. That two parts of nine die of Acute, and seventy of	L
two bundred twenty nine of Chronical Diseases, and	
four of two hundred twenty nine of outward Gricis, 14, 15 8. A Table of the Proportions dying of the most noterious,	X
and formidable Dileales, or Calualties, D. 16	1
9. That seven per Centum die of Age, bid. 10. That some Diseases, and Casualties keep a constant	
proportion, whereas some other are very irregular, p. 16, 17 12. That not above one in four thousand are Starved, p. 17	וויכני

12. That it were better to ma	tintain all Beggars at th	16
shem beg about the Streets	Jana Madie Shirt	1
Shells deg addas the streets	2 with that theptoying the	de
13. That not one in troo thousand	more dans room seed bag	ŝ
	38, 19	9
13. That not one in two thousan	dare Murthered in Lon	
don, with the Reasons the	ereof. D. I	٥
don, with the Reasons the 14. That not one in fifteen hund	red dies Lunatick. p. 20	0
That fer of the a mho die a	f the French Doy are G	*
15. That fere of these, who die of	the Lichell-Low, ore le	
doron, but coloured under th	e Consumption, &c. pag	•
	21, 25	)
16. That the Rickets is a new	tifeafe, bosh as to name, and	ł
thing; that from fourteen d	ving thereof, Anno 1624	
it hath oradually encreal	ed to above five bundres	1
Anno 1660,		
That sheep is smeather many	DiG-6 -440 -450 235 24	
17 That there is another new		
Stopping of the Stomach	1, which hath energated en	
twenty years, from fix, to ne	ar three hundred, p. 24	
18. That the Rifing of the 1	Lights ( supposed in most	
Cases to be the Fits of t		
created in thirty years fro	om fourty four to two burn	
dred fourty wine,	a Mornordin well a	
The bakale Comming of	b. C	
19. That both the Stopping of	the Stomach, and Killing	4
of the Lights, are probab		
ing upon the Rickets,	p. 26	
(20. That the Stone decreases, an	du wearing away, ibid.	
21. The Gowt stands at a stay,		
22. The Scurvic enereafes,	ogor Table libe Propo	
23. The Deaths by reason of Agu	ies are to their couled hu	
Fevers, no one to fourty,		
revers, no one to joursy,	Suglet and in the	
24. Abortives, and Stilborn,	to thoje that are Cheik-	
ned are as one to theenty,	bierportion, whereas jom	STORY
25. That fince the differences in	Religion the Christmans	
2	have	

## The linder.

have been neglested balf in half him .8 ?	1 D. 28
26. That was one Woman in an bundred dies in C	hild bed.
nor one of two hundred in her Labour,	ibid.
27. Three reasons why the Registring of Chil	decen back
been neglected, 28. There was a confusion in the Accompts of C	101p. 29
28. There was a confusion in the Accompts of	hryloms,
Infants, and Convulsions; but restified	in cos Di.
29. There hath been in London within this	p. 30
times of great Mortality, viz. Anno 15	02 1602
1625, and 1636, whereof that of 1603 was	the oreat-
week the dear the week in a free water water	
30 Annis 1603, and 1625, about a fifth part of	the robole
died, and eight times more then were born,	
31. That a fourth part more die of the Plague	ben are fet
gland, and Wales,	
32. The Plague Anno 1603 hafted eight yen	SECURE OF SECURE SECURE SECURIOR SECURI
one fingle year,	
33. That Alterations in the Air de incompa	
operate as to the Plague, then the Contagio	
verse, werle, and may red down without the	111 P. 34
24. That Purples, imali-Pox, and other male	ignant Di-
feases fore-run the Plague	in mibid.
35. A disposition in the Art towards the Plagu	e worn arjo
36. That as about !! part of the make people of	P 30
great Plague-years, fo two other fifth parts	And Dag.
35, 36, which there she turne relation; wen	ed interest,
which the Londoners bade with Country	nI midid.
37. I but the Plague great on ymall whe th	the factor
re-peopled mithintering gents, 11 11 1/1094 241	P. 36
38. The years, 2008, 20, 23, 24, 32, 33, 34,	1449, 524

39.	34, 56, 58, and 61, were fickly years, The more fickly the year is, the less fertile of	p. 37 f Births, ibid.
40.	That Plagues always come in with King's in most false,	Reigns is
17	most false,	p. 38
42	. The Autumn, or the Fall is the most unhealth	bfull sea-
	The Autumn, or the Fall is the most unhealth	ibid.
41.	. That in London there have been twelve Bu	urials for
iu	eleven Christnings,	ibid.
43.	That in the Country there have been, control	ary-wise,
	fixty three Christnings for fifty two Burials,	P. 39
44	. A supposition, that the people in, and about I	ondon,
apt A	are a fifteenth part of the people of all Engla	ind, and
N.		P. 40
45.	That there are about fix Millions, and an half	of people
	in England, and Wales,	
46.	That the people in the Country double by Pr	
	but in two bundred and eighty years, and in	
	in about seventy, as bereafter will be sheron; t	THE TRANSPORT OF THE RESERVE AND A
等文档	whereof w, that many of the breeders leave	
	try, and that the breeders of London come	
	parts of the Country, such persons breeding in	
	multitudes of others,	ihid
47	That about 6000 per Annum come up to ]	
47.	out of the Country, anotheria of namen aleg	ibid
<sub>4</sub> 8.	That in London about three die yearly out	f eleven
	Families, o diffe radio and of anan-outstill in	
	There are about twenty five Millions of acres	
	in England, and Wates, ere nobno, Lada das	
	Why the preparties of breeders in Londo	
	rest of the people is less then in the Country,	- D. 42
	That in London are more impediments of br	
* A	1 2	then
		NAME AND ADDRESS OF THE OWNER, WHEN PERSON AND PARTY AND PARTY AND PARTY AND PARTY AND PARTY AND PARTY.

Last by	then in the Country,	P. 43
72.	That there are fourteen Males for thirteen Pe	males
415.3	in London, and in the Country but fifteen Mal	es for
.140	fourteen Females,	D. 44
52	Polygamy welest to the multiplication of Man	kinde.
,,,	without Castrations,	D. 45
-4	Why Sheen and Oven out-breed Foxes and	dother
74.	Why Sheep, and Oxen out-breed Foxes, and Vermin-Animals,	ibid
	There being fourteen Males to thirteen Female	o and
22.	Malas being prolifique tourty warre and France	lac hut
	Males being prolifique fourty years, and Femal	
	twenty five, it follows, that in effect there be 560	Maies
	to 325 Females,	P.46
50.	The faid inequality is reduced by the latter marr	tage of
	the Males, and their imployment in Wars, Se age, and Colonies,	a-vo1-
	age, and Colonies,	1b1d.
57.	Physicians have two Women Patients to one	Man,
	and yet more Men die then Women,	
58.	The great emission of Males into the Wars	
	London Anno 1642 was instantly supplied,	
59.	Castration is not used onely to meliorate the	flesb of
38.	Eatable Animals, but to promote their increas	le alfu,
-5003	They disert three discounty each of blocon Frencisco	P. 47
60.	The true ratio formalis of the evil of Adul	
No. 200 (1997)	and Fornications,	EL MARIA COMPUNITORIA
61.	Where Polygamy is allowed, Wives can be n	oother
Set	then Servants	D. 49
62.	then Servants, That ninety seven, and sixteen Parishes of Lo	ndou
bid	are in twenty years encreased from seven so	melve.
ALTER.	and in fourty years from twenty three to fife	w tree.
.bh	and in fourty years from twenty three to fift	ibid.
-	The fixteen Parishes have encreased farthe	e shen
basel	the ninety seven, the one having encreased bu	. Com
NESS PLAN	mine to ten in the Crid County was	96.40
	nine to ten in the faid fourty years,	P

64. The ten Out-Parishes have in fifty four ye	ars encrease
of from one to four, and I st what where	
65. The winety feven, fixteren, and ten Pat	
fifty four years encreased from two to five	ibid
66. What great Houses within the Walls hav	
into Tenements,	ibid
67. Cripplegate-Parish hath most encreased,	, &c. ibid
68. The City removes Westwards, with the r	
69. Why Ludgate is become too narrow a t	p. 5
가면 보면 가장 사람들이 없는 그는 사람들은 사람들이 되었다. 하는 것이 하나는 것이 되었다면 하는 것이 없는 것이 없는데 되었다면 하는데 하는데 그렇게 되었다면 하는데 없었다면 되었다.	
City,	p. 5
70. That there be some Parishes in London	A THEORY OF MANY PROPERTY OF THE PROPERTY OF T
71. The natural bigness, and Figure of a Ch	
Reformed Religion,	D. 54
72. The City of London, and Subarbs, being	equally divi
ded, would make 100 Parifies, about the	largenes of
Chrift-church, Blackfriers, or Colman	
73. There are about 24000 Teeming women	
ty seven, fixteen, and ten Parishes in, and	about Lon-
don,	p. 56
74. That about three die yearly out of eleven F	
tuining each eight persons,	ibid.
75. There are about 12000 Families within	
London,	P. 57
76. The housing of the fixteen and ten Subu	D. Parijoes
is thrice as big as that of the ninety few	
within the walls, 77. The number of fouls in the ninety feven, he	ibid.
two out-Parishes is about 384000	ibid.
8. Whereof 199000 are Males, and 18500	
	ibid.
19. A Table Sherving of 100 quick conception	
	die

die within fex years, bew many the next	Decad, and fa
for every Decad till 76,	ricement 58
80 Tables, whereby may be collected how n	
London of every Age affigued,	ibid.
81. That there be in the 57, 16, and sen Paris	bes wear 70000
Fighting Men, that is, Men between the	Ages of 16, and
ner also of the the are reader in the Sente	ibid.
82. I nat Weitminiter, Lambein, Illingt	on, Hackney,
Redriff, Stepney, Newington, co	meain as many
people as the 97 Parishes within the Walls	, and are confe-
quently \ . of the whole Pile, 83. So that in, and about London are about	ibid.
83. So that in, and about London are about	81000 Fight-
ing Men, and 460000 in alt,	
84. Adam and Eve in 5610 years might	
dinary proportion of Procreation, bego	
ple, then are now probably upon the face of	
85. Wherefore the World councit be older them	one Scriptures
86. That every Wedding one with another Children,	ibid.
Children	preames just
87. That in, several places the proportion	an harman cha
Males and Females differ, and con ad	
88. That in ninety years there were just as	
Females Buried within a cereain gren	DESCRIPT THE STATE OF THE PROPERTY OF THE PROP
Country, will be gialls	ibid.
89. That a Parifo, sombfing of about 2700	
in 90 years but 1059 more Christning	then Burials.
lich vans for box	.bidi mence:
90. There some yearly to dwell at Londo	
frangers out of the Country, which fwell	the Berials a-
bent 200 per Annum,	p. 61
91. In the Country there have been five Chris	
Burials,	ibid.
A STATE OF THE STA	

92. A Confirmation, that the most healthfull yes	ers are also
she most fruitfull,	was ribid.
93. The proportion between the greatest, & least	
in the Country are greater then the fame in the	City, p. 63
94. The Country Air more capable of good, a	nd bad im
pressions, then that of the City,	ibid.
95. The differences also of Births are greater in	the Coun-
try, then at London,	p. 64
96. In the Country but about one of fifty dies year	ly, but at
London one of thirty, over and above th	e Plague,
	p. 65
97. London not so healthfull now as beretofore,	ibid.
98. It is doubted whether encrease of people, or	
ing of Sea-coal were the saufe, or both,	
99. The Art of making of Gold would be neither be	nefts to the
World, or the Artist,	p. 67
100. The Elements of true Policy are to understan	
ly the Lands, and hands of any Country,	p. 68
101. Upon what considerations the intrinsick value	
102. And in what the Accidental,	ibid.
202. Zime of the few houghts of having a true	Accompt
103. Some of the few benefits of baving a true	ibid.
of the people,  104. That but a small part of the robole people are	implowed
upon necessary affairs,	p. 69
105. That a true Accompt of people is necessar	
Government, and Trade of them, and	for their
peace, and plenty,	ibid.
2 06. Whether this Accompt ought to be confined to	
Governours,	P. 70
	F. 10

# the state of the s

# THE But to the Tortion

# PREFACE

London, and having always observed, that most of them, who constantly took in the weekly Bills of Martality, made little other use of them, then to look at the foot, how the Burials increased, or decreased; and, among the Casualties, what had happened rare, and extraordinary in the week current so as they might take the same as a Text to tak upon in the next Company, and withall, in the Plague time, how the sickness increased, or decreased, that so the Rich might judge of the necessity of their removal, and Trades-men might conjecture what doings they were like to have in their respective dealings.

had certainly deligated the laudable practice of take ing, and distributing their Accompts, its other, and greater uses, then those above mentioned or at least that some other uses might be made at them; and thereupon I calling mine kye upon to many of the General Bills, as next came to hand. I tound except ragement from them, to look out all the Bills I send;

and (to be short) to furnish my self with as much marter of that kind, even as the Hall of the Parillo Clerks could afford me; the which when I had reduced into Tables (the Copies whereof are here inserted.) so as to have a view of the whole together, in order to the more ready comparing of one Year, Season, Parillo, or other Division of the City, with another, in respect of all the Burials, and Christnings, and of all the Diseases, and Casualties, happening in each of them respectively: I did then begin not onely to examine the Conceits, Opinions, and Conjectures, which upon view of a few scattered Bills I had taken up; but did also admit new ones, as I found reason, and occasion from my Tables.

monly believed Opinions, to arise from my Meditations upon these neglected Papers, I proceeded further, to consider what benefit the knowledge of the same would bring to the World; that I might not engage my self in idle, and useless Speculations: but, (like those Noble Virtuosi of Gresbam-tollege, who reduce their subtile Disquisitions upon Nature into downright Mechanical uses) present the World with

fome real fruit from those ayrie Blossoms.

4. How far I have succeeded in the Premisses, I now offer to the World's censure. Who, I hope, will not expect from me, not professing Letters, things demonstrated with the same certainty, wherewith Learned men determine in their Scholes; but will take it well, that I should offer at a new thing, and could forbear presuming to meddle where any of the Learned Pens have ever touched before, and that I have taken the pains, and been at the charge of fet-

ting out those Tables, whereby all men may both correct my Positions, and raise others of their own. For herein I have, like a filly Schole-boy, coming to fay my Lesson to the World (that Peevilh, and Terchie Master) brought a bundle of Rods, wherewith to be whip'd for every mistake I have committed.

color aging order Of the Bills of Mortality, their beginning, and progress.

He first of the continued weekly Bills of Mertality extant at the Parish-Clerks Hall, begins the twenty ninth of December 1603, being the first year of King James his Reign; since when a weekly Accompt hath been kept there of Burials, and Christnings. It is true, There were Bills before, viz for the years 1592, 93,-94: but fo interrupted fince, that I could not depend upon the fufficiency of them, rather relying upon those Accompts, which have been kept fince in order, as to all the uses I shall

make of them. M. and the succession of the land of the succession of the land of the succession of the (for ought appears ) first began in the faid year 1593 being a time of great Merceley s and after some dis ule, were refumed again in the year 1603, aft great *Plague* then happening likewife.

3. These Bills were Printed, and published, De B 3. The section of the section of

onely every week on Thursdays, but also a general Accompt of the whole Year was given in upon the Thursday before Christmar-day: which said general Accompts have been presented in the several manners following, viz. from the Year 1603 to the Year 1624, inclusive, according to the Pattern here inserted.

1623. 1624.

The general Bill for the whole Year of all the Burials, and Christnings, as well within the City of London, and the Liberties thereof, as in the Nine out-Parishes adjoyning to the City, with the Pest-house belonging to the same: from Thursday the 18th of December 1623 to Thursday the 16th of December 1624, according to the Report made to the King's most Excellent Majesty by the Company of the Parish-Clerks of London.

Buried this Year	in the lixteen Pa n the Liberties,	rifhes of Leude	and the Pe	- 1.
thereof, is th	of all the Burial s Year,	in Louise, ac	d the Libertie	3. 3. 9310
Whereof, of the buried of the Ph Servey ship of	gue without the	Contraction,	STATE THE PARTY OF	
and out of the	in the Nine out-	Pariller, edjo	PROPERTY OF THE PROPERTY OF TH	6368
the Total of the	the Burkli is to	placer aford	id is	
arilles clear of			Will District	- 116.

In the Year 1625 every Parish was particularized, as in this following Bill: where note. That this next year of Plague caused the Augmentation, and Correction of the Bills; as the former year of Plague did the very being of them.

1625.

A general, or great Bill for this Year, of the whole number of Burials, which have been buried of all Diseases, and alfo of the Plague in every Parish within the City of London, and the Liberties thereof; as also in the nine out-Parishes adjoying to the said City; with the Pest-house belonging to the same: from Thursday the 16. day of December, 1614. to Thursday the 15. day of December, 1625. according to the Report made to the King's most Excellent Majesty by the Company of Parish-Clerks of London.

Alhalic Alhalic Alhalic	N D O No es in Woo ows Barki ows Bread ows the Co ows Hony ows the le	ing —- iftreet — irest —	-397 - 34 -141 - 18	14-
Alhalle	ows in Lu	mbardi	tr86	44
Alball	ows Stain	ings-	-183	
Alball	ows the V	all——	-301	H.
Alpha	e Crippl w-Hubba ws Under	e Pare-	-340	101
Ande	ws Tinde	flatt -	- 310	140
Andre	at Alder Black Fr	rdrobe	-3/31	191
Anns	at Alder	sgate -	190	178
Anne	Black Fr	ters-	339	313
Antho	nns Lam	males Property and	ESPARSON I	EL ANDER
Bartho	s Parifh	erebane		-
Benne	n Finite	2	-100	99
Benne	tr Grace	Church		19
Benne	ts at Paul	2 White		4
Benne	ts Shearh	OB		66
Chris	he Billin s-Church	Parille		378
	ophers P		- 48	28

LONDON.	Bur.	Plag-
Clements by Eastcheap- Dionys Back-Church -	37	7.2
Dunftans in the East -	-335	225
Edmunds Lumbarditree		49
Ethelborow in Bishopse	80	101
St. Fosters in Foster-lan	e 149	103
Gabriel Fen church-	- 71	54
Georges Botolphi-Jane- Gregories by Pauls	30	12
Hellens in Biffrogregate		71
James by Garlick Link	-100	109
John Baptift	-151	79
John Evangelie		
ante Duter ther	-gre	54
Kacharine Celemantir.	-	175
-paterneously and discussive		323
Lawrence Possessor	1000	132
Eccourds Bill Street	445	26
Leonards Follerians	-398	309
		64
Margarets Moles-	<b>— 37</b>	135

LONDON. Bur Pl. Margarets new Fishftreet-123 8	Michael Crooked-lane -144 91
Margarets Pattons - 77 5	o Michael Queen-hith 215157
Mary Ab-church — 98 5 Mary Aldermanbury — 126 7	9 Michael in the Royal-111 61
Mary Aldermary 91 5	4 Wichsel in Mood-integt199 04
Mary le Bow 35 1 Mary Bothaw 13 1	4 Mildreds Poultrey 94 45
Mary Coa'-church '26 1 Mary at the Hill 152	t Nicholas Acons 33 13
Mary Mounthaw - 76 5	8 Nicholas Olaves 70 43
Mary Sommerlet	Olaves in Hart-street 166 195 4 Olaves in the Jewry - 43 15
Mary Stainings — 70 4 Mary Woolchurch — 58 3 Mary Woolnoth — 82 5	Olaves in Silver-street — 174 103 Pancras by Soper-lane — 17 8
Martins Ironmonger-lane as	8 Peters in Cheap 68, 44
Martins at Ludgate 254 16 Martins Organs 88 4	
Martins Outwich - 60 3	Peters poor in Broadstreet- 52 27
Martine in the Vintry -33920 Matthew Friday-ftreet - 34	Stevens in Coalmanstreet 506350 Stevens in Walbrook— 25 13
Maudlins in Milk-freet- 401 1	3 Swithins at London-Stone-99 60
Maudlins Old-fish-ftreet-325 14	Thomas Apostles 141 107
Wicasei Daminaw — 19913	9   Trinity Parish
Michael Baffishaw — 19913 Michael Corn-Hill ——159 7	19 The state of the state of the
Michael Corn-Hill ——159 7  Suried within the 97 Parifles with Where of, of the Plague,	bin she Walls, of all Difeafes, — 14340. 9197.
Michael Corn-Hill ——159 7  Buried within the 97 Periffes with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great—516	bin the Walls, of all Difeafes, — 14340. 9197.  636 Georges Southwark — 1608 912 60 Giles Cripplegate — 3988 2338
Michael Corn-Hill ——159 7  Buried within the 97 Parifles with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great — 516  Bartholmew the left — 111	bin the Walls, of all Difeafes, — 14340. 9197.  336 Georges Southwark — 1608 912 60 Giles Cripplegate — 3988 2338 65 Olaves in Southwark - 3689 2609
Baried within the 97 Parifles with Where of, of the Plague,—  Andrews in Holborn —1190 16 Bartholmew the Great—516 Bartholmew the left — 111 Brides Parifl ——1481 16 Botoleh Algate ——1573	bin the Walls, of all Difeuses, — 14340.  9197.  636 Georges Southwark — 1608 912 65 Giles Cripplegate — 3988 1338 65 Olaves in Southwark - 3689 2609 131 Saviours in Southwark - 3746 1671 153 Sepulchtes Parish — 3425 1420
Michael Corn-Hill ——159 7  Baried within the 97 Parifbet with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great — 516  Bartholmew the left — 111  Brides Parifh ——1481  Botoleh Algate ——1573  Bridewel Precing ——1573  Bridewel Precing ——1573	bin the Walls; of all Difetes, — 14340.  9197.  336 Georges Southwark — 1608 912 360 Giles Cripplegate — 3988 2338 65 Olaves in Southwark — 3689 2609 31 Saviours in Southwark — 2746 1671 33 Sepulchres Parish — 3425 2420 34 Thomas in Southwark — 335 277 34 Trinity in the Minories 131 87
Michael Corn-Hill ——159 7  Baried within the 97 Parifbet with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great — 516  Bartholmew the left — 111  Brides Parifh ——1481  Botolph Algate ——1573  Bridewel Precing ——1573  Bridewel Precing ——1573	bin the Walls, of all Difeases, — 14346.  9197.  636 Georges Southwark — 1608 912 65 Giles Cripplegate — 3988 2338 65 Olaves in Southwark — 3689 2609 631 Saviours in Southwark — 2746 1671 653 Sepulchres Parish — 3425 2420 652 Thomas in Southwark — 335 277
Michael Corn-Hill ——159 7  Buried within the 97 Parifhet with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great — 516  Bartholmew the left — 111  Brides Parifh ——1481  Botolph Algate ——1573  Bridewel Precinc ——1573  Bridewel Precinc ——1573	bin the Walls; of all Difetes, — 14340.  9197.  336 Georges Southwark — 1608 912 360 Giles Cripplegate — 3988 2338 65 Olaves in Southwark — 3689 2609 31 Saviours in Southwark — 2746 1671 33 Sepulchres Parish — 3425 2420 34 Thomas in Southwark — 335 277 34 Trinity in the Minories 131 87
Michael Corn-Hill ——159 7  Buried within the 97 Parifhet with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great — 516  Bartholmew the left — 111  Brides Parifh ——1481  Botolph Algate ——1573  Bridewel Precinc ——1573  Bridewel Precinc ——1573	bin the Walls; of all Difetes, — 14340.  9197.  336 Georges Southwark — 1608 912 360 Giles Cripplegate — 3988 2338 65 Olaves in Southwark — 3689 2609 31 Saviours in Southwark — 2746 1671 33 Sepulchres Parish — 3425 2420 34 Thomas in Southwark — 335 277 34 Trinity in the Minories 131 87
Michael Corn-Hill ——159 7  Buried within the 97 Parifhet with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great — 516  Bartholmew the left — 111  Brides Parifh ——1481  Botolph Algate ——1573  Bridewel Precinc ——1573  Bridewel Precinc ——1573	bin the Walls; of all Difetes, — 14340.  9197.  336 Georges Southwark — 1608 912 360 Giles Cripplegate — 3988 2338 65 Olaves in Southwark — 3689 2609 31 Saviours in Southwark — 2746 1671 33 Sepulchres Parish — 3425 2420 34 Thomas in Southwark — 335 277 34 Trinity in the Minories 131 87
Michael Corn-Hill ——159 7  Buried within the 97 Parifhet with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great — 516  Bartholmew the left — 111  Brides Parifh ——1481  Botolph Algate ——1573  Bridewel Precinc ——1573  Bridewel Precinc ——1573	bin the Walls; of all Difeafes, — 14340.  9197.  936 Georges Southwark — 1608 912  96 Giles Cripplegate — 3988 2338  67 Olaves in Southwark — 3689 2609  Saviours in Southwark — 3746 1671  97 Sepulchtes Parish — 3425 2420  Thomas in Southwark — 535 277  Trinity in the Minories 131 87  At the Pest-house — 194 189  189 189 189 189  189 189 189 189
Michael Corn-Hill ——159 7  Baried within the 97 Parifles with Where of, of the Plague, —  Andrews in Holborn —1190 16  Bartholmew the Great — 516  Bartholmew the left — 111  Brides Parifh ——1481 16  Botolph Algare ——1573  Bridewel Precinct ——13  Botolph Bifhopagate —334  Botolph Bifhopagate —334  Botolph Aldangate — 578  Dunftanes the Welt — 860  Bariel in the 16 Parifles without at the Poft-Lange.  Whereof of the Plague, —	bin ebe Walls; of all Difeafes, — 14340.  9197.  336 Georges Southwark — 1608 912 360 Giles Cripplegate — 3988 2338 65 Olaves in Southwark — 3689 2609 31 Saviours in Southwark — 2425 2430 32 Sepulchres Parifh — 3425 2430 33 Thomas in Southwark — 335 277 34 Trinity in the Minories 131 87

Buried in the nin	ne out-Parifhes,
Clements Temple ber-1284 1955 Giles in the Fields — 1393 947	Martins in the Fields -1470 973
James at Clarken-Meil- 1191/ 903	Magdalens Bermondley-1117 886
Katharine by the Tower- 998 744 Leonards in Shoreditch-1995 1467	A STATE OF THE STA
Buried in the nine out-Parifbet, in	diddlefen, and Surrey 11002
monto, of carriague,	9069

The Total	of all the Bu	rials of all D	ifeases, withi	in the Walls,	18-99-19
Surrey	t the Walls, i	n the Liber	ties, in Mid	diefer, and	> 54165.
Wherea	: with the m f. Buried of i	he Plague,	his prefent ye	14, li -	35417
Trice and the	Christningt	this present	year, is		- 6913
	Parifbes infet Parifbes clear				

5. In the Year 1626, the City of Westminster, in i-mitation of London, was inserted. The gross accompt of the Burials, and Ciristenings, with distinction of the Plague being onely taken notice of therein; the fifth, or last Canton, or Lined-space, of the said Bill, being varyed into the form following, viz.

CAN when you are seen have and they	Bullet - The same of the same
In Westminster this Year &	District 471
La Westminster this Year &	Plague 12
A P I was a superior was also and of the P.	ChroRening
I demand describeration of the Property	en decurit

6: In the Year 1629, an accompt of the Diferent, and Cafaulties, whereof any dyed, together with the diffinction of Males and Famales, making the fixth Canton of the Bill, was added in manner following.

The Centon of Calualties, and of the Bill for the Tear 1632, being of the fame form with that of 1629.

# The Difeases, and Casualties this year being 1632.

<b>公司(300 阿拉斯尼亚),阿斯尼亚</b>	
A Bortive, and Stilborn -445	, Jaundies
W Bolthet and acroom	Jaw-falo
A Affrighted	<b>是 Males 10 Table 10</b>
1-1	Impolume:
The state of the s	Kil'd by feve
Aged 618	
Apoplex, and Meagrom - 17	King's Evil -
Wholsey, and aterfrom	Lethargie -
Bit with a mad dog 1	TEIRTE PO
	Livergrown
Bleeding Bloody Hux, scowning, and flux 348	Tunatique -
Bloody flux, cowing, and nux 348	Panerdae .
Brufed, Iffues, fores, and ulcers, 18	Lunatique - Made away t
Dinien' Times' totes' min avery	Magfiles
Burnt, and Scalded	MCTIL
Burft, and Rupture 9	Meafles-
Dillic and Colstans	Over-laid, as
Cancer, and Wolf 10	
Canbas I	Pallie ——
Cathodian material station of enterior and	Pallie —— Piles ——
Canker I Childbed I71	1 1165
Chrisomes, and Infants 2268	Plague
Chinomes) and Princip	Planet
Cold, and Cough 55	P
Colick, Stone, and Strangury - 56	Pleurifie, and
Confemption 1797	Purples, and
Contamption - 1797	100円 当70円 開発
Convultion 241	Quinfie -
Constitution of the consti	Riling of the
Cut of the Stope	Sciatica
Out of the Stone — 5 Dead in the Street; and Starved — 6 Dropfie, and Swelling — 267	HEID and backers and a decimal art CEST (CEST CONTROL TO CEST)
Danie and Smilling - 262	Scurry, and
Diobited and owering	Coddenly -
Drowned 34	Suttoen
Executed, and preft to death - 18	Suddenly -
Executed and bless to dearn	Swine-Pox -
Falling Sickness - 7	
Ferer 1108	Teeth
The particular of the second s	Thrush, and
Filtula ————————————————————————————————————	
Fiftula ————————————————————————————————————	Tympany
	Tiffick
French Por ta	
Gangrene	Vomiting -
	Worms -
Gout - 4	
Gild and the same 11	ir seed a
	CARL THE ALL SELECTION

Jaundies 4	3
Jaw-falo	8
Impoltune	•
King's Eril	g
Lethargie	
	7
Lunatique	5
Made away themselves I	5
Meafles 8	0
Murthered -	7
Over-laid, and starved at nurse-	7
Pallie — 2	5
Piles —	
Plague — 1	9
Pleurifie, and Spleen	6
Purples and spotted Feaver 3	8
Quinfie	7
Riling of the Lights 9	8
Sciatica	1
Scurvy, and Itch	2
是TATE (1995) 1995	0.73
Suddenly — 6	3
Surfer	366
Swine-Pox —	660
Swine-Pox — 47	36600
Swine-Pox — 47	36600
Swine-Pox — 47	3660054
Swine-Pox — 47 Thrush, and Sore-mouth — 4 Tympany — 1	36600541
Surfet Swine-Pox Teeth 47 Thrush, and Sore-mouth 47 Tynnpany 11 Tiffick 3	366005417

Christened Females 4790 Buried Females 4790 Plague 8

Increased in the Burials in the 122 Parishes, and at the Pest-house this year, see Described with Magne in the 122 Parishes, and at the Pest-house this year, see 7. In the year 1636, the Accompt of the Burials, and Christmany, in the Parishes of Islangton, Lambeth, Seepney, Newington, Hackney, and Reariss, were added

(49)

in the manner following, making a feventh Can-

In Margarets 11 Weltminites	Christned - 44 Furled - 89	Newington	Christned — 97 Buried — 181 Plague — 0
Islington	Christned - 34 Buried - 11 Plague - 1		Christned— 30 Buried —— 91
Lambeth	Christned —13:  Buried ——22:  Plague ——  Christned — 89:	100000000000000000000000000000000000000	Christned - 14
Stepney	Buried 1486		(Plague
Whereof	of the Plague		bes ship Tour 2058

8. Covent-Gorden being made a Parish, the nine out-Parishes were called the ten out-Parishes, the which in

former years were but eight.

Parishes, with Westminster, Islington, Lumberd, Stephy, Newington, Hackney, and Redriff, are entred under two Divisions, viz. the one containing the twelve Parishes lying in Middlesex, and Surrey, and the other the five Parishes within the City, and Liberties of westminster, viz. St. Clement-Dane's, St. Paul's Covent-Garden, St. Martin's in the Fields, St. Mary Savey, and St. Margaret's Westminster.

whereby the Will of Morestry are come up to their prefent state, we come next to shew how they are made, and composed, which is in this manner, we when any one dies, then, either by tolling or ringing

of a Bell, or by bespeaking of a Grave of the Sexton, the same is known to the Searchers, corresponding with the said Sexton.

Matrons, sworn to their Office) repair to the place, where the dead Corps lies, and by view of the same, and by other enquiries, they examine by what Disease, or Casualty the Corps died. Hereupon they make their Report to the Parish-Clerk, and he, every Tuesday-night, carries in an Accompt of all the Burials, and Christmings, happening that Week, to the Clerk of the Hall. On Wednesday the general Accompt is made up, and Printed, and on Thursdays published, and dispersed to the several Families, who will pay four shillings per Annum for them.

Bills have been set out in the several varieties aforementioned, yet the Original Entries in the Hall-books were as exact in the very first Year as to all particulars, as now; and the specifying of Casualties,

and Difeafes, was probably more.

#### CHAP. II.

General Observations upon the Casualties.

In my Discourses upon these Bills I shall first speak of the Casualties, then give my Observations with reference to the Places, and Parishes comprehended in the Bills; and next of the Years, and Seasons.

r. There

There seems to be good reason, why the Mapistrate should himself take notice of the numbers of
Burials, and Christnings, viz. to see, whether the City encrease, or decrease in people; whether it encrease proportionably with the rest of the Nation; whether it
be grown big enough, or too big, &c. But why the
same should be made known to the People, otherwise
then to please them as with a curiosity, I see not.

2. Nor could I ever yet learn (from the many I have asked, and those not of the least Sagacity) to what purpose the distinction between Males and Females is inserted, or at all taken notice of ? or why that of Marriages was not equally given in? Nor is it obvious to every body, why the Accompt of Casualties (whereof we are now speaking) is made? The reason, which seems most obvious for this latter, is, That the state of Health in the City may at all times appear.

3. Now it may be Objected, That the same depends most upon the Accompts of Epidemical Diseases, and upon the chief of them all, the Plague; wherefore the mention of the rest seems onely matter of

curiofity.

4. But to this we answer, That the knowledgeven of the numbers, which die of the Plague, is not sufficiently deduced from the meer Report of the Searchers, which onely the Bills afford: but from other Ratiocinations, and comparings of the Plague with some other Casualties.

7. For we shall make it probable, that in Years of Plague a quarter-part more dies of that Disease then are set down; the same we shall also prove by the other Casualties. Wherefore, if it be necessary to im-

1937

part to the World a good Accompt of some few Casualties, which fince it cannot well be done without giving an Accompt of them all, then is our common

practife of fo doing very apt, and rational,

6. Now, to make these Corrections upon the perhaps ignorant, and careless Searchers Reports, I confidered first of what Authority they were in themfelves, that is, whether any credit at all were to be given to their Distinguishments: and finding that many of the Cafualties were but matter of fense, as whether a Childe were Abortive, or Stilborn; whether men were Aged, that is to fay, above fixty years old, or thereabouts, when they died, without any curious determination, whether such Aged persons died purely of Age, as for that the Innate beat was quite extinct, or the Radical moisture quite dried up (for I have heard some Candid Physicians complain of the darkness, which themselves were in hereupon) I say, that these Distinguishments being but matter of sense, I concluded the Searchers Report might be sufficient in the Case.

Report (as they may) whether the dead Corps were very lean, and worn away, it matters not to many of our purposes, whether the Disease were exactly the same, as Physicians define it in their Books. Moreover, In case a man of seventy five years old died of a Cough (of which had he been free, he might have possibly lived to ninety) I esteem it little errour (as to many of our purposes) if this Person be, in the Table of Casualties, reckoned among the laged, and not placed under the Title of Coughs.

8. In the matters of Infants I would desire but to know

know clearly, what the Seanchers mean by Infants, as whether Children that cannot speak, as the word Infant seems to signific, or Children under two or three years old, although I should not be satisfied, whether the Infant died of Winde, or of Teeth, or of the Convulsion, &c. or were choaked with Phlegm, or else of Teeth, Convulsion, and scorring, apart, or together, which, they say, do often cause one another for, I say, it is somewhat to know how many die usually before they can speak, or how many live past any assigned number of years,

9. I say, it is enough, if we know from the Searchers but the most predominant Symptoms; as that one died of the Head-Ach, who was sorely tormented with it, though the Physicians were of Opinion, that the Disease was in the Stomach Again, if one died suddenly, the matter is not great, whether it be reported in the Bills, Suddenly, Apoplexie, or Planet-

Strucken, &c.

Searchers are able to report the Opinion of the Physician, who was with the Patient, as they receive the same from the Friends of the Defunct: and in very many Cases, such as Drowning, Scalding, Bleeding, Vomiting, making away themselves, Lanatiques, Sures, Small-Pox, &c. their own senses are sufficient; and the generality of the World are able presty well to distinguish the Gome, Stone, Dropse, Falling Sickness, Palse, Agues, Pleurily, Richest, one from another.

aptest to be confounded, and mistaken, I shall in the ensuing Discourse presume to touch upon them so far, as the Learning of these Bills bath enabled me.

Having premised these general Advertisements, our first Observation upon the Casualties shall be, That in twenty Years there dying of all Diseases, and Casualties, 229 250, that 71 124 dyed of the Thrush, Convulsion, Rickets, Teeth, and Worms; and as Abortives, Chrysomes, Infants, Liver-grown, and Over-laid; that is to say, that about; of the whole died of those Diseases, which we guess did all light upon Children under sour or five Years old.

13. There died also of the Small-Pox, Swine-Pox, and Measles, and of Worms without Convulsions, 12210. of which number we suppose likewise, that about 1 might be Children under six Years old. Now, if we consider that sixteen of the said 229250 died of that extraordinary and grand Casualty, the Plague, we shall finde that about thirty six per Centum of all quick conceptions died before six Years old.

14. The second Observation is, That of the said 229250 dying of all Diseases, there died of asute Diseases (the Plague excepted) but about 50000, or parts. The which proportion doth give a measure of the State, and Disposition of this Climate, and Air, as to health; these acute, and Epidemical Diseases happening suddenly, and vehemently upon the like corruptions, and alterations in the Air.

The third Observation is, That of the said 229250 about seventy died of Chronical Diseases, which shews (as I conceive) the State, and Disposition of the Country (including as well its Food, as Air) in reference to health, or rather to longevity: for as the proportion of asure and Epidemical Diseases shews the aptness of the Air to sudden and vehement Impressions; so the Chronical Diseases shew the ordinary

temper

temper of the Place: so that upon the proportion of Chronical Diseases seems to hang the judgment of the sitness of the Country for long life. For, I conceive, that in Countries subject to great Epidemical sweeps men may live very long, but, where the proportion of the Chronical distempers is great, it is not likely to be so; because men being long sick, and always sickly, cannot live to any great age, as we see in several sorts of Metal-men, who although they are less subject to acute Diseases then others, yet seldom live to be old, that is, not to reach unto those years, which David saies is the age of man.

16. The fourth Observation is, That of the said 229250 not 4000 died of outward Griefs, as of Cancers, Fistulas, Sores, Vicers, broken and bruised Limbs, Impostumes, Itch, King's-evil, Leprosie, Scald-head, Swine-

Pox, Wens, &c. viz, not one in 60.

17. In the next place, whereas many persons live in great sear, and apprehension of some of the more formidable and notorious Diseases following; I shall onely set down how many died of each; that the respective numbers, being compared with the Total 229250, those persons may the better understand the hazard they are in.

11/4	ble of notors	ous Diseases.	day and her
Apoplex -	1306	Leprosy	0006
Cat of the Stone -	0038	Lunatique-	0158
Falling-Sickness			
Dead in the Stree			
Gorot	0134	Rupture -	020 L
Head-Ach	-0051	Stone, and Stran	eury-0863
Janudice-	0998	ciatica -	ccos
Lethargy -	-0967	odainly	9454
Turmola		O CHEMPINE	Table

# Table of Casualties.

Bleeding	069 Kild by feveral 7.	TOOT
Burnt, and 3	125 Murthered	
Scalded S	Murthered	0086
Drowned		
Excessive drinking	002 Smothered	-026
Frighted -	022 Shot -	007
Grief		
Hanged themselves -		

18. In the foregoing Observations we ventured to make a Standard of the healthfulness of the Air from the proportion of Acute and Epidemical diseafes, and of the wholesomeness of the Food from that of the Chronical. Yet, for asmuch as neither of them alone do shew the longævity of the Inhabitants, we shall in the next place come to the more absolute Standard, and Correction of both, which is the proportion of the aged, viz. 15757 to the Total 229250. That is of about 1 to 15, or 7 per Cent. Onely the question is, what number of years the Searchers call Aged, which I conceive must be the same, that David calls fo, viz. 70. For no man can be faid to die properly of Age, who is much less. It follows from hence, That if in any other Country more then seven of the roo live beyond 70, fuch Country is to be effeemed more healthful then this of our City.

19. Before we speak of particular Casualties, we shall observe; that among the several Casualties some bear a constant proportion unto the whole number of Burials; such are Chronical Diseases, and the diseases, whereunto the City is most subject; as for

Example,

Example, Consumptions, Dropfies, Jaundice, Gowt, Stone Pallie, Scurvy, rifing of the Lights, or Mother, Rickets, Aged, Agues, Feavers, Bloody-Flux, and Scorring : nay some Accidents, as Grief', Drowning, Men's making away themselves, and being Kil'd by several Accidents, &c. do the like, whereas Epidemical, and Malignant difeases, as the Plague, Purples, Spotted-Feaver, Small-Pox, and Measles do not keep that equality, so as in some Years, or Moneths, there died ten times as many as in others.

#### CHAP. III.

#### of Particular Casualties.

1. A Y first Observation is, That few are starved. This appears, for that of the 229250, which have died, we find not above fifty one to have been flarved, excepting helples Infants at Nurse, which being caused rather by carlessness, ignorance, and infirmity of the Milch-women, is not properly an effect, or fign of want of food in the Countrey, or of

means to get it.

2. The Observation which I shall add hereunto, is, That the vast numbers of Beggars, swarming up and down this City, do all live, and feem to be most of them healthy, and strong; whereupon I make this Question, Whether, fince they do all live by begging, that is, without any kind of labour; it were not better for the State to keep them, even although they earned nothing; that so they might live regularly, and not in that Debauchery, as many Beggars do;



and that they might be cured of their bodily Impotencies, or taught to work, &c. each according to his condition, and capacity; or by being employed in fome work (not better undone) might be accustomed, and fitted for labour.

3. To this some may Object, That Beggars are now maintained by voluntary Contributions, whereas in the other way the same must be done by a general Tax; and consequently, the Objects of Charity

would be removed, and taken away.

4. To which we Answer, That in Holland, although no where fewer Beggars appear to charm up commiseration in the credulous, yet no where is there greater, or more frequent Charity: onely indeed the Magistrate is both the Beggar, and the disposer of what is gotten by begging; so as all Givers have a Moral certainty, that their Charity shall be well applied.

5. Moreover, I question; Whether what we give to a Wretch, that shews us lamentable fores, and mutilations, be always out of the purest Charity? that is, purely for God's sake; for as much as when we see such Objects, we then feel in our selves a kinde of pain, and passion by consent; of which we ease our selves, when we think we have eased them, with whom we sympathized: or else we bespeak aforehand the like commisseration in others towards our selves, when we shall (as we fear we may) fall into the like distress.

keep the Beggars, though they earned nothing, &c. But most men will laugh to hear us suppose, That any able to work (as indeed most Beggars are, in one kind of measure, or another) should be kept without earning

any thing. But we Answer, That if there he but a certain proportion of work to be done; and that the same he already done by the non-Beggars, then to employ the Beggars about it, will but transfer the want from one hand to another; nor can a Learner work so cheap as a skilfull practised Artist can. As for example, a practised Spinner shall spin a pound of Wool worth two shillings for six pence; but a learner, undertaking it for three pence, shall make the Wool indeed into Yarn, but not worth twelve pence.

work in the World, which is the making of England as confiderable for Trade as Holland; for there is but a certain proportion of Trade in the world, and Holland is prepoffessed of the greater part of it, and is thought to have more skill, and experience to manage it: wherefore, to bring England into Holland's condition, as to this particular, is the same, as to fend all the Beggars about London into the west-Country to Spin, where they shall onely spoil the Clothiers Wool, and beggar the present Spinners at best but, at worst, put the whole Trade of the Country to a stand, until the Hollander, being more ready for it, have snapt that with the rest.

8. My next Observation is, That but sew are Murthered, viz. not above 86 of the 229270, which have died of other Diseases, and Casualties; whereas in Paris sew nights scape without their Tragedie.

one is the Government, and Guard of the City by Citizens themselves, and that alternately. No man settling into a Trade for that employment. And the other is, The natural, and customary abhorrence of

that inhumane Crime, and all Bloodsbed by most Englishmen: for of all that are Executed sew are for Murther. Besides the great and frequent Revolutions, and Changes of Government since the year 1650, have been with little bloodsbed; the Vsurpers themselves having Executed sew in comparison, upon the

Accompt of disturbing their Innovations.

In brief, when any dead Body is found in England, no Algebraist, or Unsipherer of Letters, can use more subtile suppositions, and variety of conjectures to finde out the Demonstration, or Ciphers, then every common unconcerned Person doth to finde out the Murtherers, and that for ever, until it be done.

11. The Lunaticks are also but few, viz. 158 in 229250, though I fear many more then are set down in our Bills, sew being entred for such, but those who die at Bedlams and there all seem to dy of their Lunacy, who died Lunaticks; for there is much difference in computing the number of Lunaticks, that die (though of Fevers, and all other Diseases, unto which Lunacy is no Supersedes) and those, that dy by reason of their Madness.

12. So that, this Calualty being so uncertain, I shall not force my self to make any inference from the numbers, and proportions we finde in our Bills concerning it: onely I dare ensure any man at this present, well in his Wits, for one in the thousand, that he shall not die a Lunatick in Bedlam, within these seven years, because I finde not above one in about one

thousand five hundred have done so.

of men, that made away themselves, who are another

fort of Mad-men, that think to case themselves of pain by leaping into Hell; or elfe are yet more Mad, To as to think there is no fuch place; or that men may go to rest by death, though they die in felf-murther,

the greatest Sin.

14. We shall say nothing of the numbers of those, that have been Drowned, Killed by falls from Scaffolds, or by Carts running over them, &c. because the same depends upon the casual Trade, and Employment of men, and upon matters which are but circumstantial to the Seasons, and Regions we live in; and affords little of that Science, and Certainty we aim at.

15. We finde one Calualty in our Bills, of which, though there be daily talk, there is little effect, much like our abhorrence of Toads, and Snakes, as most poifonous Creatures, whereas few men dare fay upon their own knowledge, they ever found harm by either; and this Cafualty is the French-Pox, gotten, for the most part, not so much by the intemperat use of Venery (which rather causeth the Gowt) as of many common Women. I saw the the work of some said w

vin .QI

16. I say, the Bills of Mortality would take off these Bars, which keep some men within bounds, as to these extravagancies: for in the afore-mentioned 229250, we finde not above 392 to have died of the Pox. Now, for as much as it is not good to let the World be lulled into a fecurity, and belief of Impunity by our Bills, which we intend shall not be onely as Death's-heads to put men in mind of their Mortality, but also as Mercurial Statues to point out the most dangerous ways, that lead us into it, and mife hall therefore thew, that the Pex is not as the Tour and saskes afore mentioned, but of a quite co

nature,

nature, together with the reason, why it appears o-

17. Forasmuch as by the ordinary discourse of the world it feems a great part of men have, at one time, or other, had some species of this Discase, I wondering why fo few died of it, especially because I could not take that to be so harmless, whereof so many complained very fiercely; upon enquiry I found that those, who died of it out of the Hospitals (especially that of King's-Land, and the Lock in Southwark) were returned of Vicers, and Sores. And in brief I found, that all mentioned to die of the French-Pex were returned by the Clerks of Saint Gile's, and Saint Martin's in the Fields onely, in which place I understood that most of the vilest and most miserable houses of uncleanness were: from whence I concluded, that onely bated persons, and such, whose very Nofes were eaten of, were reported by the Searchers to have died of this too frequent Maladie,

what name, or Casualtie, such as die of these Diseases are brought in: I say, under the Consumption; sorasmuch, as all dying thereof die so emaciated and lean (their Vicers disappearing upon Death) that the Old-women Seatchers after the mist of a Cup of Ale, and the bribe of a two-groat see, instead of one, given them, cannot tell whether this emaciation, or leanness were from a Phthisis, or from an Hellick Fever, Atrophy, &c. or from an Insection of the Spermatick parts, which is length of time; and in various disguises both at last vitiated the habit of the Body, and by disabling the parts to digest their nourishment brought them to the condition of leanness above mentioned.

noture

19. My

19. My next Oblervation is, that of the Rickets wer finde no mention among the Cafualties | untill the year 1634, and then but of 14 for that whole year,

20. Now the Question is, Whether that Difease did first appear about that time; or whether a Difease, which had been long before, did then first receive its Name? 1 1111 bovisho od english it

21. To clear this Difficulty out of the Bills ( for I dare venture on no deeper Arguments) I enquired what other Casualties before the year 1634, named in the Bills, was most like the Rickets; and found, not onely by Pretenders to know it, but also from other Bills, that Liver-grown, was the nearest. For in some years I finde Liver-grown, Spleen, and Rickers, put all together, by reason (as I conceive) of their likenes to each other. Hereupon I added the Livers growns of the year 1634, viz. 77, to the Rickets of the same year, viz. 14, making in all 91: which Total, as also the Number 77 it self, I compared with the Liver-grown of the precedent year, 1633, viz. 82: All which shewed me, that the Rickets was a new Disease over and above.

22. Now, this being but a faint Argument, I looked both forwards and backwards, and found, that in the year 1629, when no Rickets appeared, there was but 94 Liver-growns; and in the year 16 36 there was 99 Liver-grown, although there were alfo yo of the Rickets: onely this is not to be denyed, that when the Rickets grew very numerous (as in the year 1860 viz. to be 521) then there appeared not above 15 of vene to the City, thew's there is lome "notory-right."

23. In the year 1639 were 441 Riches, and 9 Liver-grown. In the year 1658 were 476 Riches, and 51 Liverthese Diseases were consounded in the judgment of the Nurses, yet it is most certain, that the Liver-grown did never but once, viz. Anno 1630, exceed 100, whereas Anno 1660, Liver-grown, and Rickets were 526.

24. It is also to be observed, that the Riskets were never more numerous then now, and that they are still encreasing: for Anno 1649, there was but 190, next year 260, next after that 329, and so forwards, with some little starting backwards in some years, until the year 1660, which produced the greatest of all.

fal in all things; for we do not onely see in the progressive motion of the wheels of Watebes, and in the rowing of Beats, that there is a little starting, or jerking backwards between every step forwards, but also (if I am not much deceived) there appeared the like in the motion of the Moon, which in the long Telescopes at Gresbam-College one may sensibly discern.

26. There seems also to be another new Disease, called by our Bills The stopping of the Stomach, first mentioned in the year, 1636, the which Melady from that year to 1647, encreased but from 6 to 29; Anno 1635 it came to be 145. In 57, to 277. In 60, to 314. Now these proportions far exceeding the difference of proportion generally arising from the encrease of Inhabitants, and from the resort of Advene to the City, shows there is some new Disease, which appeareth to the Vulgar, as A stopping of the Stomach.

San Alexander

27. Here-

might be the Green-sickness, for a smuch as I finde few, or none, to have been returned upon that Accompt, although many be visibly stained with it. Now whether the same be for born out of shame, I know not? For since the world believes, that Marriage cures it, it may seem indeed a shame, that any Maid should die uncured, when there are more Males then Females, that is, an overplus of Husbands to all that can be Wives.

28. In the next place I conjectured, that this stopping of the Stomach might be the Mother, for a smuch as I have heard of many troubled with Mother-fits (as they call them) although few returned to have died of them; which conjecture, if it be true, we may then fafely fay, That the Mother-fits have also encreased.

29. But I was somewhat taken off from thinking this stopping of the Stomach to be the Mother, because I guessed rather the Rising of the Lights might be it. For I remembred that some Women, troubled with the Mother-sits, did complain of a chooking in their Throats. Now as I understand, it is more conceivable, that the Lights, or Lungs (which I have heard called The Bellows of the Body) not blowing, that is, neither venting out, nor taking in breath, might rather cause such a Chooking, then that the Mother should rise up thither, and do it. For me-thinks, when a woman is with childe, there is a greater rising, and yet no such Fits at all.

30. But what I have faid of the Rickets, and flopping of the Stomach, I do in some measure say of the Rising of the Lights also, viz. that these Risings (be they

they what they will) have encreased much above the general proportion; for in 1629 there was but 44. and in 1660, 249, viz. almost fix times as many.

31. Now forasmuch as Rickets appear much in the Over-growing of Childrens Livers, and Spleens (as by the Bills may appear ) which furely may cause stopping of the Stomach by squeezing, and crowding upon that part. And forasmuch as these cheakings, or Rifings of the Lights may proceed from the same stuffings, as make the Liver, and spleen to over-grow their due proportion. And laftly, forasmuch as the Rickets, Ropping of the Stomach, and rising of the Lights, have all encreased together, and in some kinde of correspondent proportions; it seems to me, that they depend one upon another. And that what is the Rickets in children may be the other in more grown bodies, for furely children, which recover of the Rickets, may retain somewhat sufficient to cause what I have imagined; but of this let the learned Physicians consider, as I presume they have.

3a. I had not medled thus far, but that I have heard, the first hints of the circulation of the Blood were taken from a common Person's wondering what became of all the blood which issued our of the heart, since the heart beats above three thousand times an hour, although but one drop should be

pumpt out of it, at every stroke.

33. The Stone seemed to decrease: for in 1632, 33, 34, 35, and 36: there died of the Stone, and Strangury, 254. And in the Years 1655, 56, 57, 50, 59, and 1660, but 250, which numbers although indeed they be almost equal, yet considering the Burials of the first named five Years were but half those of

the latter, it feems to be decreased by about one half-

24. Now the Stone, and Strangury, are difeases, which most men know, that feel them, unless it be in some few cases, where (as I have heard Physicians say) a scone is held up by the Filmes of the Bladder, and so

kept from grating or offending it.

35. The Gove stands much at a stay, that is, it answers the general proportion of Burials; there dies not above one of 1000 of the Gent, although I believe that more die Gowty. The reason is, because those that have the Gowt, are faid to be Long-livers, and therefore, when such die, they are returned as Aged.

36. The scurvy hath likewise encreased, and that

gradually from 12, Anno 1629, to 95, Anno 1660.

37. The Tyffick feems to be quite worn away, but that it is probable the same is entred as Cough, or Confumption.

28. Agues and Fevers are entred promiscuously, yet in the few Bills, wherein they have been diftinguished, it appears, that not above one in 40, of the

whole are Agues.

39. The Abortives, and Stil-born are about the twentieth part of those that are Christened, and the numbers seemed the same thirty Years ago as now, which shews there were more in proportion in those Years then now: or elfe that in these latter Years due Accompts have not been kept of the Abertives, as having be Buried without notice, and perhaps not in Charch-Yards.

40. For that there both been a neglect in the Accompts of the Christenings is most certain, because until the Year 1642, we finde the Bariel but equa with the Christenings, or near thereab

when the differences in Religion had changed the Government, the Christnings were but two thirds of the Burials. And in the year 1659, not half, viz. the Burials were 14720, (of the Plague but 36) and the Christnings were but 5670, which great disproportion could be from no other Cause, then that above-mentioned, for as much as the same grew as the Confu-

fions, and Changes grew.

41. Moreover, although the Bills give us in Anno 1659 but 5670 Christnings, yet they give us 421 Abortives, and 226 dying in Child-bed, whereas in the year 1631, when the Abortives were 410, that is, near the number of the year 1659, the Christnings were \$288. Wherefore by the proportion of Abortives Anno 1659, the Christnings should have been about 8,000, but if we shall reckon by the women dying in Child-Bed, of whom a better Accompt is kept, then of Stil-Borns, and Abortives, we shall finde Anno 1659, there were 226 Child-Beds; and Anno 1631, 112, viz. not 1. Wherefore I conceive that the true number of the Christnings Anno 1659 is above double to the 5690 fet down in our Bills; that is about 11500, and then the Christnings will come near the same proportion to the Burials, as hath been observed in former times.

kept, we finde that not above three in 200 died in Child-bed, and that the number of Abortives was about treble to that of the women dying in Child-bed: from whence we may probably collect, that not one woman of an hundred (I might fay of two hundred) dies in her labour; for as much as there be other Causes of a woman's dying within the Moneth, then

the hardness of her Labour. " 10 tyerning

43. If this be true in thefe Countries, where well men hinder the facility of their Child-bearing by affeeted ftraightning of their Bodies; then certainly in America, where the same is not practifed, Nature is little more to be taxed as to women, then in Brates, among whom not one in fome thoulands do die of their Deliveries: what I have heard of the Irifb-momen confirms me herein.

44. Before we quite leave this matter, we shall infert the Causes, why the Accompt of Christning hath been neglected more then that of Buriols: one, and the chief whereof, was a Religious Opinion against Baptizing of Infants, either as unlawful, or unnecesfary. If this were the onely reason, we might by our defects of this kinde, conclude the growth of this Opinion, and pronounce, that not half the People of England, between the years 1650, and 1660, were convinced of the need of Baptizing.

45. A second Reason was, The scruples, which many Publick Ministers would make of the worthis ness of Parents to have their Children Baptized, which forced such questioned Parents, who did also not believe the necessity of having their Children Baptized by fuch scrupulers, to carry their Children unto such other Ministers, as having performed the thing had not the Authority, or Command of the Regifter to enter the names of the Beptized with su mile

46. A third Reason was, That a little Pee was to

be paid for the Registry.

47. Upon the whole matter it is most certain, that the number of Fleterodex Believers was ver between the faid year, 1650; and 1660 and were they, as not to have the Births of th There

(202)

Registred, although thereby the time of their coming of Age might be known, in respect of such Inheritances, as might belong unto them; and withal by such Registring it would have appeared unto what Parish each Childe had belonged, in case any of them should happen to want its relief.

48. Of Convelsions there appeared very few, viz. but 52 in the year 1629, which in 1636 grew to 709, keeping about that stay, till 1659, though sometimes rising

to about 1000.

49. It is to be noted, that from 1629 to 1636, when the Convultions were but few, the number of Chrysoms, and Infants was greater: for in 1629, there was of Chrysoms, and Infants 2596, and of the Convulsion 52, viz. of both, 2648. And in 1636 there was of Infants 1895, and of the Convulsions 709. in both 2604, by which it appears, that this difference is likely to be

onely a confusion in the Accompts.

50. Moreover, we finde that for these later years, since 1636, the total of Convulsions and Chrysoms added together are much less, viz. by about 400 or 500, per Annum, then the like Totals from 1626 to 36, which makes me think, that Teeth also were thrust in under the Title of Chrysoms, and Infants, in as much as in the said years, from 1629 to 1639, the number of worms, and Teeth, wants by above 400 per Annum of what we find in following years.

### CAP. IV.

Of the Plague.

Refore we leave to discourse of the Cosulties, we shall add something concerning that greatest Discos, or Cosulty of all, The Plague.

(38)
There have been in London, within this Age, fou
Times of great Mertality, that is to fay, the year
1572, and 1593, 1603, 1625, and 1636, 1 1
There died Anno 1592 from March to Decem
ber,
Whereof of the Plague
Anna 1003
Anne 1593 Whereof of the Plague Local Christned in the faid year 4021
Chailland in the Gold waren
Corrigina in the land year 4021
Anno 1603 within the same space of time were Bu-
ried 37294
Whereof of the Plague 30561
Anno 1625, within the same space,
Whereof of the Plague - 35417
Anno 1636, from April to December - 23359 Whereof of the Plague - 10400
Whereof of the Plague
2. Now it is manifest of it selfe, in which
of these years most died; but in which of them was
the greatest Mertality of all Discases in general.
or of the Plague in particular, we discover thus.
In the year 1592, and 1636, we finds the propor-
tion of those dying of the Plague in the whole to be
near alike, that is about 10 to 23. or 11 to 25. or as
bove an eighth: fo that the faid (w. svil or own mode
3. In the year 1625. we find the Plague to bear
unto the whole in proportion as 37 to 11.017 to 10.
that is almost the triplicate of the former proporti-
on, for the Cube of 7. being 343. and the Cube of so
being 1000, the faid 344, is not a proposition
In Anne 1603, the proportion of the Plague to
- " de aut se unitadas i sus biolistas de am alumbia in

the whole was as 30, to 27, signas A. to so which is yet greater then the last of s to 20. Roulf she Year 1625, had been as great a Plague Year as 1609, there

must have died not onely 7 to 10. but 8 to 10. which in those great numbers makes a vast difference.

5. We must therefore conclude the Year 1603 to

have been the greatest Plague-Year of this age.

6. Now to know in which of these 4. was the greatest Mortality at large, we reason thus,

Anno 1592	Buried 26490 } or 25 { 6 Christned 4277 } or 25 { 6
Anno 1603	There died in the whole Year of all 38244 Christned 4784
1. to 8. or 1. ‡. to 10.	Died in the whole for as Christned 6983 or as
Anno 1636	There died, ut supra 23359 or as \$5

Christnings were about † parts of the Burials. Anno 1636, the Christnings were about † parts of the Burials. Anno 1592 but † but in the Year 1603, and 1625 not above an eighth: so that the said two years were the years of greatest Mortality. We said that the year 1603 was the greatest Plague-year. And now we say, that the same was not a greater year of Mortality then Anno 1625. Now to reconcile these two Positions, we must alledg, that Anno 1625 there was errour in the Accompts, or Distinctions of the Cosulation; that is, more died of the Plague then were accompted for under that name. Which Allegation we also prove thus, viz.

8. In the said year 1625 there are said to have died of the Plague 35417, and of all other Diseases 18848: whereas in the years, both before, and after the same, the ordinary number of Burials was between 7 and 8000, so that if we add about 11000 (which is the difference between 7 and 18) to our 35, the whole will be 46000, which bears to the whole 54000, as about 4 to 5 thereby rendring the said year 1625 to be as great a Plague-year as that of 1603, and no greaters which answers to what we proved before, viz. that the Mortality of the two Years was equal.

9. From whence we may probably suspect, that about a part more died of the Plague then are returned for such; which we further prove by noting, that Anno 1636 there died 10400 of the Plague, the a whereof is 2600. Now there are said to have died of all other diseases that Year 12959, out of which number deducting 2600 there remains 10359, more then which there died not in several years next before and

after the faid Year 1636.

10. The next Observation we shall offer is, That the Plague of 1603 lasted eight Years. In some whereof there died above 4000, in others above 2000, and in but one less then 600 whereas in the Year 1624 next preceding, and in the year 1626 next following the said great Plague-year 1625; there died in the former but 11, and in the latter but 134 of the Plague. Moreover in the said year 1625 the Plague decreased from its utmost number 4461 a week to below 1000 within fix weeks.

11. The Plague of 1636 lasted twelve Years, in eight whereof there died 2000 per annum one with another.

other, and never under 300. The which shews, that the Contagion of the Plague depends more upon the Disposition of the Air, then upon the Effluvia from the Bodies of men.

which the Plague hath made, leaping in one Week from 118 to 927: and back again from 993 to 258: and from thence again the very next Week to 852. The which effects must surely be rather attributed to change of the Air, then of the Constitution of Mens Bodies, otherwise then as this depends upon that,

13. It may be also noted, That many times other Pestilential Diseases, as Purple-Fevers, Small Pox, &c. do forerun the Plague a Year, two, or three; for in 1622 there died but 8000: in 1623, 11000: in 1624, about 12000: till in 1625 there died of all Diseases above 54000.

#### CHAP. V.

Other Observations upon the Plague, and Casualties.

THE Decrease, and Increase of People is to be reckoned chiefly by Christenings, because few bear children in London but Inhabitants, though others die there. The Accompts of Christenings were well kept until differences in Religion occasioned some neglect therein, although even these neglects we must contest to have been regular, and proportionable.

2. By the numbers and proportions of Christonings therefore we observe as followeth, viz.

First,

First, That (when from December 1602, to March following, there was little, or no Plague) then the Christenings at a Medium were between 110 and 130 per Week, few Weeks being above the one, or below the other; but when from thence to July the Plague encreased, that then the Christenings decreased to under 90.

Secondly, The Question is, Whether Teeming-women died, or fled, or miscarried? The latter at this time seems most probable, because even in the said space, between March, and July, there died not above twenty per Week of the Plague, which small number could neither cause the death, or flight of so many Women, as to alter the proportion \(\frac{1}{2}\) part lower.

- 3. Moreover, We observe from the 21 of July to the 12 of October the Plague encreasing reduced the Christenings to 70 at a Medium, diminishing the above proportion down to 3. Now the cause of this must be flying, and death, as well as Miscarriages, and Abortions: for there died within that time about 2,000, whereof many were certainly Women with child: besides the fright of so many dying within so small a time might drive away so many others, as to cause this effect.
- 4. From December 1624, to the middle of April 1625, there died not above five a Week of the Plague, one with another. In this time, the Christenings were one with another 180. The which decreased gradually by the 22 of September to 75, or from the proportion of 12 to 5, which evidently squares with our former Observation.
- f. The next Observation we shall offer is, The time, wherein the City hath been Re-peopled after a great

great Plague; which we affirm to be by the second year. For in 1627 the Christenings (which are our Standard in this Case) were 8408, which in 1624 next preceding the Plague-year 1625 (that had swept away above 54000) were but 8299, and the Christenings of 1626 (which were but 6701) mounted in one year to the said 8408.

6. Now the Cause hereof, for as much as it cannot be a supply by Procreations; Ergo, it must be by

new Affluxes to London out of the Countrey.

7. We might fortifie this Affertion by flewing, that before the *Plague*-year, 1603, the *Christenings* were about 6000, which were in that very year reduced to 4789, but crept up the next year 1604 to 5458, recovering their former ordinary proportion in 1605 of 6504, about which proportion it stood till the year 1610.

8. I say, it followeth, that, let the Mortality be what it will, the City repairs its loss of Inhabitants within two years, which Observation lessens the Objection made against the value of houses in London, as if they were liable to great prejudice through the loss of In-

habitants by the Plague.

# CHAP. VI. . . done daw one

Of the Sickliness, Healthfulness, and Fruitfulness of Seasons.

I. Having spoken of Casualtier, we come next to compare the sickliness, healthfulness, and fruitfulness

fruitfulness of the several Years, and Seasons, one with another. And first, having in the Chapters aforegoing mentioned the several years of Plague, we shall next present the several other sickly years; we meaning by a sickly Year such wherein the Burials exceed those, both of the precedent, and subsequent years, and not above 200 dying of the Plague, for such we call Plague-Years; and this we do, that the World may see, by what spaces, and intervals we may hereafter expect such times again. Now, we may not call that a more sickly year, wherein more die, because such excess of Burials may proceed from encrease, and access of People to the City onely.

2. Such fickly years were 1618, 20, 23, 24, 1632, 33, 34, 1649, 52, 54, 56, 58, 61, as may be feen by the Tables.

In reference to this Observation we shall prefent another, namely, That the more fickly the years are, the less fecund, or fruitfull of Children also they be. Which will appear, if the number of Children born in the faid fickly years be less, then that of the years, both next preceding, and next following; all which, upon view of the Tables, will be found true, except in a very few Cases, where sometimes the precedent, and sometimes the subsequent years vary a little, but never both together. Moreover, for the confirmation of this Truth, we present you the year 1660, where the Burials were fewer then in either of the two next precedent years by 2000, and fewer then in the subsequent by above 4000. And withall, the number of Christenings in the faid year 1660 was far greater then in any of the three years next afore going.

4. As to this year 1660, although we would not be thought Superstitions, yet it is not to be neglected. that in the faid year was the King's Restauration to His Empire over these three Nations, as if God Almighty had caused the healthfulness and fruitfulness thereof to repair the Bloodsbed, and Calamities, suffered in His absence. I say, this conceit doth abundantly counterpoise the Opinion of those, who think great Plagues come in with King's reigns, because it hapned so twice, viz. Anno 1603, and 1625, whereas as well the year 1648, wherein the present King commenced His right to reign, as also the year 1660, wherein He commenced the exercise of the same, were both eminently healthful: which clears both Monarchy, and our present King's Family from what feditious men have furmifed against them.

5. The Diseases, which beside the Plague make years unhealthful in this City, are Spotted-Fevers, Small-Pox, Dysentery, called by some The Plague in the Guts, and the unhealthful Scason is the Autumn.

## CHAP, VII.

of the difference between Burials, and Ebriftenings.

Bills there are far more Burials, then Christenings. This is plain, depending onely upon Arithmetical computations for, in 40 years, from the year 1603,
to the year 1644, exclusive of both years, there have been fet down (as happening within the same ground, space,

space, or Parishes) although differently numbered, and divided, 363,935 Burials, and but 330747 Christmings within the 97, 16, and 10 out-Parishes; those of Westminster, Lambeth, Newington, Redriff, Stepney, Hackney, and Islington, not being included.

2. From this single Observation it will follow, That London should have decreased in its People, the contrary whereof we see by its daily encrease of Buildings upon new foundations, and by the turning of great Palacious Houses into smal Tenements. It is therefore certain, that London is supplied with People from out of the Countrey, whereby not onely to repair the overplus difference of Burials above mentioned, but likewise to encrease its Inhabitants according to

the faid encrease of housing.

why Winchester, Lincoln, and several other Cities have decreased in their Buildings, and consequently in their Inhabitants. The same may be suspected of many Towns in Cornwal, and other places, which probably, when they were first allowed to send Burgesses to the Parliament, were more populous then now, and bore another proportion to Landon then now, for several of those Burranghs send two Burgesses, whereas London it self sends but four, although it bears the sitteenth part of the charge of the whole Nation in all Publick Taxes, and Levies.

quiry found true, viz. That in the Country, within ninety years, there have been 6,39 Christings, and but 5280 Daniels, the encrease of London will be salved without inferring the decrease of the People in the Country, and withall, in case all England have but

fourteen times more People then London, it will appear, how the faid encrease of the Country may encrease the People, both of London, and it self; for if there be in the 97, 16, 10, and 7 Parishes, usually comprehended with in our Bills, but 460000 fouls, as hereafter we shall shew, then there are in all England, and Wales, 6440000 Persons, out of which substract 460000, for those in and about London, there remains 5980000 in the Country, the which encreasing about part in 40 years, as we shall hereafter prove, doth happen in the Country, the whole encrease of the Country will be about 8,4000 in the faid time, out of which number if but about 250000 be sent up to London in the said 40 years, viz. about 6000 per Annum, the faid Missions will make good the alterations, which we finde to have been in, and about London, botween the years 1603 and 1644 above-mentioned, But that 250000 will do the same, I prove thus: viz. in the 8 years, from 1603 to 1612, the Burials in all the Parishes, and of all Diseases, the Plague included, were at a Medium 9750 per Annum. And between 1635 and 1644 were 18000, the difference wherof is \$250, which is the Total of the encrease of the Burials in 40 years, that is about 206 per Annum. Now, to make the Burials encrease 206 per Annum, there must be added to the City thirty times as many (according to the proportion of 3 dying out of 11 Families) viz. 6180 Advene, the which number multiplied again by the 40 years, makes the Product 24,7200, which is less then the 250000 above-propounded; fo as there remains above 600000 of encrease in the Country within the faid 40 years, either to render it more populous, or fend forth into other Colonies,

or Wars. But that England hath fourteen times more People, is not improbable, for the Reafons following.

1. London is observed to bear about the fifteenth

proportion of the whole Tax.

- fquare Miles of Land, and we have computed, that in one of the greatest Parishes in Hansfore, being also a Market Town, and containing twelve square Miles, there are 220 Souls in every square Mile, out of which I abate ‡ for the over-plus of People more in that Parish, then in other wilde Counties. So as the ‡ parts of the said 220, multiplied by the Total of square Miles, produces 6400000 Souls in all London included.
- 3. There are about 10000 Parishes in England, and Wales, the which, although they should not contain the t part of the Land, nor the t of the People of that Country-Parish, which we have examined, yet may be supposed to contain about 600 People, one with another; according to which Accompt there will be fix Millions of People in the Nation. I might add, that there are in England, and Wales, about five and twenty Millions of Acres at 16 1 Foot to the Perch; and if there be fix Millions of People, then there is about four Acres for every head, which how well it agrees to the Rules of Plantation, I leave unto others, not onely as a means to examine my Affertion, but as an hint to their enquiry concerning the fundamental Trade, which is Husbandry, and Plantation. June private thank, if they have any ... noits
- clude. That the People of the whole Wation do to create, and confequently the decrease of Windows.

bonnel

Lincoln, and other like places, must be attributed to other Reasons, then that of refurnishing Landon

onely.

5. We come to shew, why although in the Country the Christenings exceed the Burials, yet in London they do not. The general Reason of this must be, that in London the proportion of those subject to die, unto those capable of breeding, is greater then in the Country; That is, let there be an hundred Persons in London, and as many in the Country; we fay, that, if there be 60 of them Breeders in London, there are more then 60 in the Country, or else we must say, that London is more unhealthful, or that it inclines men and women more to Barrenness, then the Country: which by comparing the Burials, and Christenings of Hackney, Newington, and the other Country-Parishes, with the most Smoaky, and Stinking parts of the City, is scarce discernable in any confiderable degree.

6. Now that the Breeders in London are proportionably fewer then those in the Country arises from

these reasons, viz. but have and an out or ordinary.

r. All, that have business to the Court of the King, or to the Courts of Justice, and all Country-men coming up to bring Provisions to the City, or to buy Foreign Commodities, Manufactures, and Rarities, do for the most past leave their Wives in the Country.

2. Persons coming to live in London out of curiofity, and pleasure, as also such as would retire, and

live privately, do the same, if they have any. .....

3. Such, as come up to be cured of Difeafes, do searce use their Wives pro tempere.

4. That many Apprentices of Lenden, who are bound

bound feven, or nine years from Marriage, do often the later of the contract

stay longer voluntarily.

5. That many Sea-men of London leave their Wives behind them, who are more subject to dy in the absence of their Husbands, then to breed either without men, or with the use of many promiscuously.

6. As for unhealthiness, it may well be supposed, that although seasoned Bodies may, and do live near as long in London, as elsewhere, yet new-comers, and Children do not: for the Smeaks, Stinks, and close Air are less healthful then that of the Country; otherwife why do fickly Perfons remove into the Country-Air? And why are there more old men in Countries then in London, per rata ? And although the difference in Hackney, and Newington, above mentioned, be not very notorious, yet the reason may be their vicinity to London, and that the Inhabitants are most such, whose bodies have first been impaired with the London - Air, before they withdraw thither.

7. As to the causes of Barrenness in London, I fay. that although there should be none extraordinary in the Native Air of the place; yet the intemperance in feeding, and especially the Adulteries, and Fornications, supposed more frequent in London then elsewhere, do certainly hinder breeding. For a Woman, admitting ten Men, is fo far from having ten times as

many Children, that the hath none at all models to

8. Add to this, that the minds of men in Landon are more thoughtful, and full of bufiness, then in the Country, where their work is corporal Labour, as Exercises. All which promote Breeding, wherea Auxieties of the mind hinder it. mgt . was I will have

# CHAP. VIII.

Of the difference between the numbers of Males and

He next Observation is, That there be more

Males, then Females.

the year 1662, exclusive, 209436 Males, and but 190474 Females: but it will be objected, That in London it may indeed be so, though otherwise elsewhere; because London is the great Stage and Shop of business, wherein the Masculine Sex bears the greatest part. But we Answer, That there hath been also Christened within the same time 139782 Males, and but 130866 Females, and that the Country-Accompts are consonant enough to those of London upon this matter.

a. What the Causes hereof are we shall not trouble our selves to conjecture, as in other Cases: onely we shall desire, that Travellers would enquire,

whether it be the same in other Countries.

3. We should have given an Accompt, how in every Age these proportions change here, but that we have Bills of distinction but for 32 years, so that we shall pass from hence to some Inferences from this Conclusion; as first,

I. That Christian Religion, prohibiting Polygamy, is more agreeable to the Law of Nature, that is, the Law of God, then Mahametism, and others, that allow it: for one man his having many women, or wives, by Law, fignifies nothing, unless there were many women to one man in Nature also.

II. The obvious Objection hereunto is, That one Horse, Bull, or Ram, having each of them many Females, do promote increase. To which I Answer. That although perhaps there be naturally, even of these feeres, more Males, then Females, yet artificially, that is, by making Geldings , Oxen, and Weathers, there are fewer. From whence it will follow, That when by experience it is found how many Ews ( suppose twenty) one Ram will serve, we may know what proportion of male-Lambs to castrate, or geld, viz. nineteen, or thereabouts for it you emasculate fewer, viz. but ten, you shall by promiscuous copulation of each of those ten with two Females, hinder the increase fo far, as the admittance of two Males will do it: but, if you castrate none at all, it is highly probable, that, every of the twenty Males copulating with every of the twenty Females, there will be little, or no conception in any of them all.

III. And this I take to be the truest Reason, why Foxes, Wolves, and other Vermin Animals, that are not gelt, increase not faster then Sheep, when as so many thousands of these are daily Butchered, and very sew of the other die otherwise then of themselves.

4. We have hitherto said, There are more Males, then Females; we say next, That the one exceed the other by about a thirteenth part. So that although more men die violent deaths, then women, that is, more are flain in Wars, killed by Mischance, drowned at Sea, and die by the Hand of Justice; moreover, more men go to Colonies, and travel into foreign parts, then women; and lastly, more remain unmarried, then of women, as Fellows of Colones, and Apprentises, above eighteen, &c., yet the said thirteenth

teenth part difference bringeth the business but to such a pass, that every woman may have an Husband, without the allowance of Polygony.

5. Moreover, although a man be Prolifique fourty years, and a woman but five and twenty, which makes the Males to be as 560 to 325 Females, yet the causes above named, and the later marriage of the men,

reduce all to an equality.

6. It appearing, that there were fourteen men to thirteen women, and that they die in the same proportion also, yet I have heard Physicians say, that they have two women Patients to one man, which Assertion seems very likely; for that women have either the Green-sickness, or other like Distempers, are sick of Breedings, Abortions, Child-bearing, Some-breasts, Whites, Obstructions, Fits of the Mother, and the like.

7. Now, from this it should follow, that more women should die then men, if the number of Buriels answered in proportion to that of Sicknesses: but this must be salved, either by the alledging, that the Physicians cure those Sicknesses, so as sew more die, then if none were sick; or else that men, being more intemperate then women, die as much by reason of their Vices, as the women do by the Infirmitie of their Sex, and consequently, more Males being born, then Females, more also die.

8. In the year 1642 many Males went out of London into the Wars then beginning, in so much, as I expected in the succeeding year, 1643, to have found the Burials of Females to have exceeded those of Males, but no alteration appeared; for as much, as I suppose, Trading continuing the same in London; all those, who lost their Apprentices, had

others

others out of the Countrey; and if any left their Trades, and Shops, that others forthwith succeeded them: for, if employment for hands remain the same, no doubt but the number of them could not

long continue in disproportion.

o. Another pregnant Argument to the same purpose ( which bath already been touched on ) is, That although in the very year of the Plague the Christnings decreased, by the dying, and flying of Teemingwomen, yet the very next year after, they increased somewhat, but the second after, to as full a number as in the fecond year before the faid Plague: for I say again, if there be encouragment for an hundred in London, that is, a Way how an hundred may live better then in the Countrey, and if there be void housing there to receive them, the evacuating of a fourth, or third part of that number, must foon be supplied out of the Countrey; so as, the great Plague doth not leffen the Inhabitants of the City, but of the Countrey, who in a short time remove themselves from thence hither, so long, une till the City, for want of receit, and encouragement, regurgitates and fends them back.

no. From the difference between Males and Females we see the reason of making Ennucles in those places where Polygamy is allowed, the latter being useless as to multiplication, without the former, as was said before in case of Sheep, and other Animals,

usually gelt in these Countries.

11. By consequence, this practise of Castration serves as well to promote increase, as to meliorate the Flesh of those Beasts, that suffer it. For that Operation is equally practised upon Herses, which are not used for food, as upon those that are.

12. In Pepilb Countries where Pelygamy is forbidden, if a greater number of Males oblige themselves to Calibate, then the natural over-plus, or difference between them and Females amounts unto s then multiplication is hindred: for if there be eight Men to ten Women, all of which eight men are married to eight of the ten Women, then the other two bear no Children, as either admitting no man at all, or elfe admitting Men as Whores (that is, more then ones) which commonly procreates no more, then if none at all had been used: or else such unlawful Copulations beget Conceptions, but to frustrate them by procured Abortions, or fecret Murthers; all which returns to the fame reckoning. Now, if the same proportion of women oblige themselves to a single life likewise, then fuch obligation makes no change in this matter of encrease.

13. From what hath been said appears the reason why the Law is, and ought to be so strict against Fornications, and Adulteries: for, if there were universal liberty, the Increase of Man-kind would be but like that of Fexes at best.

14. Now forasmuch as Princes are not onely Powerful, but Rich, according to the number of their People (Hands being the Father, as Lands are the Mother, and Womb of Wealth) it is no wonder why States by encouraging Marriage, and hindering Licentiousness, advance their own Interest, as well as preserve the Laws of God from contempt, and violation.

plus of Males there is this natural Bar to Polygony: for in such a state women could not live in that

parity, and equality of expense with their Husbands;

as now, and here they do may viruot ai evad serlin

cannot maintain as splendidly three, as one; for he might, having three Wives, live himself upon a quarter of his Income, that is in a parity with all three, aswell as, having but one, live in the same parity at half with her alone: but rather, because that to keep them all quiet with each other, and himself; he must keep them all in greater aw, and less splendour, which power he having, he will probably use it to keep them all as low, as he pleases, and at no more cost then makes for his own pleasure; the poorest Subjects (such as this plurality of Wives must be) being most easily governed.

### CHAP. IX.

# Of the growth of the City.

Parishes within the walls, and the sixteen without the walls (besides 421 of the Plague) 3508. And the next year 3478, besides 29 of the Plague: in both years 6986. Twenty years after, there died in the same ninety seven, and sixteen Parishes, 12110, viz. Annot 614, 5873; and Anno 1615, 6237: so as the said Parishes are increased, in the said time, from seven to twelve, or very near thereabouts.

2. Moreover, the Buriels within the like space of the next twenty years, viz. Anno 1634, and 1635, were 15625, viz. as about twenty four to thirty one: the which last of the three numbers, 15625, is much

more then double to the first 6936, viz, the said Parishes have in fourty years encreased from twenty

three to fifty two.

3. Where is to be noted, That although we were necessificated to compound the said ninety seven with the sixteen Parishes, yet the sixteen Parishes have encreased faster then the ninety seven. For, in the year 1620, there died within the walls 2726, and in 1660 there died but 3098 (both years being clear of the Plague:) so as in this fourty years the said ninety seven Parishes have encreased but from nine to ten, or thereabouts, because the housing of the said ninety seven Parishes could be no otherwise encreased, then by turning great Houses into Tenements, and building upon a few Gardens.

A. In the year 1604 there died in the ninety seven Parishes 1518, and of the Plague 280. And in the year 1660, 3098, and none of the Plague, so as in fifty fix years the said Parishes have doubled. Where note, That forasmuch as the said year 1604 was the very next year after the great Plague 1603 (when the City was not yet re-peopled) we shall rather make the comparison between 2014, which died Anno 1605, and 3431 Anno 1659: choosing rather from hence to affert, that the said ninety seven, and sixteen Parishes encreased from twenty to thirty sour, or from ten to seventeen in sifty four years, then from one to two in sifty six, as in the last aforegoing Paragraph is set down.

5. Amo 1605 there died in the fixteen out-Parithes 2974, and Muno 1659, 6988: so as in the fifty four years the said Parishes have encreased from three to

6. Anno

6. Anno 1605 there died in the eight out-Parishes 960, Anno 1659 there died in the fame scope of Ground, although called now ten Parishes (the Savoy, and Covent-Garden being added) 4301; fo as the faid Parishes have encreased, within the faid fifty four years, more then from one to four.

7. Moreover, there was Buried in all, Amo 1505, 5948, and Anno 1659, 14720, viz. about two to five.

8. Having set down the proportions, wherein we find the faid three great Divisions of the whole Pyle, called London, to have encreased; we come next to thew what particular Parishes have had the most remarkable share in these Augmentations. Viz. of the ninety seven Parishes within the Walls the encrease is not very discernable, but where great houses formerly belonging to Noblemen, before they built others near White-holl, have been turned into Tenements, upon which Accompt Alballows upon the Wall is encreased by the conversion of the Marques of Winchester's house, lately the Spunish Ambassadour's, into a new street, the like of Alderman Freeman's, and La Motte's near the Exchange, the like of the Rarl of Arundel's in Loth-bury, the like of the Bishop of London's Palace, the Dean of Poul's, and the Lord River's house now in hand, as also of the Dick's Place, and others hebetofore? o que minumento odi,

9. Of the fixteen Parilles next without the Wals Saint Gile's Cripplegete hath been most enlarged, ment to that Saint Olove's Southwork, then Saint Andrew's Holbern, then White-Chapel, the difference in the rest not being confiderable. Il of an helochib thad any

10: Of the out Parifies now called ten former nine, and before that eight Stine Gibls, and Saint Martin's Martins in the fields, are most encreased, notwithstanding Saint Paul's Covent-Garden was taken out of them both.

11. The general observation, which arises from hence is, That the City of London gradually removes Westward, and did not the Royal Exchange, and London-Bridg stay the Trade, it would remove much faster: for Leaden-Hal-street, Bishop's-Gate, and part of Fan-church-street, have lost their ancient Trade; Grace-Church-street indeed keeping it self yet entire, by reason of its conjunction with, and relation to London-Bridg.

12. Again, Canning-street, and Watlin-street have lost their Trade of Wooden-Drapery to Paul's Church-Yard, Ludgate-hill, and Fleet-street: the Mercery is gone from out of Lumbard-street, and Cheap-side, into Pater-Noster-

Row, and Fleet-ftreet.

13. The reasons whereof are, That the King's Court (in old times frequently kept in the City) is now always at Westminster. Secondly, the use of Coaches, whereunto the narrow streets of the old City are unfit, hath caused the building of those broader streets in Covent-Garden, &c.

is, viz. among the Gentry, the venders of the same

must feat themselves.

After the

and gardens within the Walls, with houses, to the prejudice of Light, and Air, have made men build new ones, where they less fear those inconveniencies.

ons hath disposed us to let our old Wooden dark houses fall to decay, and to build new, ones, whereby to answer all the ends above mentioned.

Western Gate of the City, little Building was Westward thereof: but, when Holborn began to encrease, New-gate was made. But now both these Gates are not sufficient for the Communication between the Walled City, and its enlarged Western Suburbs, as daily appears by the intolerable stops, and embaresses of Coaches near both these Gates, especially Lud-gate.

### CHAP. X.

## Of the Inequality of Parishes.

Before we pass from hence, we shall offer to Consideration the inequality of Parishes in, and about London, evident in the proportion of their respective Burials; for in the same year were Buried in Cripple-gate-Parish 1191. that but twelve died in Trinity-Minories, St. Saviour's Southwark, and Botolph's Bishop-gate, being of the middle size, as burying five and 600 per Annum: so that Cripple-gate is an hundred times as big as the Minories, and 200 times as big as St. John the Euangelist's, Mary-Coal-Church, Bennet's-Grace-Church, Matthew-Friday-street, and some others within the City.

2. Hence may arise this Question, Wherefore should this inequality be continued? If it be Answered, Because that Passours of all forts, and sizes of Abilities, may have Benefices, each man according to his merit: we Answer, That a two hundredth part of the best Parson's learning is scarce enough for a Sexten. But besides, there seems no reason of any difference:

difference at all, it being as much Science to fave one

fingle foul, as one thousand.

3. We encline therefore to think the Parishes should be equal, or near, because, in the Reformed Religions, the principal use of Churches is to Preach in: now the bigness of such a Church ought to be no greater, then that, unto which the voice of a Preacher of middling Lungs will easily extend: I say easily, because they speak an hour, or more together.

4. The use of such large Churches, as Paul's, is now wholly lost, we having no need of saying perhaps sifty Masses all at one time; nor of making those grand Processions frequent in the Romish Church; nor is the shape of our Cathedral proper at all for our Preaching Auditories, but rather the Figure of an Amphi-Theatre with Galleries, gradually over-looking each other; for unto this Condition the Parish-Churches of London, are driving apace, as appears by the many Galleries every day built in them.

of Coalman-street, Alballows-Barking, Christ-Church, Black-Friers, &c. in each whereof die between Ioo and I50, per Annum, then an hundred Parishes would be a sit and equal Division of this great charge, and all the Ministers (some whereof have now scarce fourty pounds per Annum) might obtain a subsistence.

of the Poor might finde it possible to discharge their Duties, whereas now in the greater out-Parishes many of the poorer Parishioners through neglect do period many vicious persons pet liberty to live as

d many vicious persons get liberty to live as lease, for want of some heedfull Eye to over-

CHAP.

#### CHAP. XI.

## Of the number of Inhabitants.

Have been several times in company with men of great experience in this City, and have heard them talk seldom under Millions of People to be in London, all which I was apt enough to believe, untill, on a certain day, one of eminent Reputation was upon occasion afferting, that there was in the year 1661 two Millions of People more then Anno 1625, before the great Plague. I must confess, that, untill this provocation, I had been frighted, with that misunders stood Example of David, from attempting any computation of the people of this populous place; but hereupon I both examined the lawfulness of making such enquiries, and being satisfied thereof went about the work it self in this manner: viz.

2. First, I imagined, That, if the Conjecture of the worthy Person afore-mentioned had any truth in it, there must needs be about six or seven Millions of People in London now; but repairing to my Bills I found, that not above 15000 per Annum were buried; and consequently, that not above one in four hundred must die per Annum, if the Total were but six Millions.

3. Next considering, That it is esteemed an even lay, whether any man lives ten years longer, I supposed it was the same, that one of any ten might die within one year. But when I considered, that of the a score afore mentioned about 5000 were Abortive, and Staborn, or died of Teeth, Convulsion, Rickets, or as Infants,

and Chrysoms, and Aged; I concluded, that of men, and women, between ten and fixty, there scarce died 10000 per Annum in London, which number being multiplied by 10, there must be but 100000 in all, that is not the 30 part of what the Alderman imagined. These were but sudden thoughts on both sides, and both far from truth, I thereupon endeavoured to get a

little nearer, thus: viz-

0.25

4. I confidered, that the number of Child-bearing women might be about double to the Births: for asmuch as fuch women, one with another, have scarce more then one Childe in two years. The number of Births I found, by those years, wherein the Registries were well kept, to have been somewhat less then the Burials. The Burials in these late years at a Medium are about 13000, and confequently the Christenings not above 12000. I therefore esteemed the number of Teeming women to be 24000: then I imagined, that there might be twice as many Families, as of fuch women; for that there might be twice as many women Aged between 16 and 76, as between 16 and 40, or between 20 and 44; and that there were about eight Persons in a Family, one with another, viz. the Man, and his Wife, three Children, and three Servants, or Lodgers: now 8 times 48000 makes 384000.

5. Secondly, I finde by telling the number of Families in some Parishes within the walls, that 3 out of 11 families per an have died: wherefore, 13000 having died in the whole, it should follow, there were 48000 Families according to the last-mentioned Accompt.

6. Thirly, the Accompt, which I made of the Trained-Bands, and Auxiliary-Souldiers, doth enough justifie this Accompt.

7. And laftly, I took the Map of Landen fer out in the year 10,8 by Richard Nemenus, prawn by a scale of Yards. Now I gueffed that in 100 yards fquare there might be about 54 Families, supposing every house to be 20 foot in the front : for on two fides of the faid square there will be 100 yards of housing in each, and in the two other fides to each; in all 360 yards: that is 54 Families in each square, of which there are 220 within the Walls, making in all 11880 Families within the Walls. But forasmuch as there dy within the Walls about 3200 per Annum, and in the whole about 13000; at follows, that the housing within the Walls, is a part of the whole, and confequently, that there are 47520 Families in, and about London, which agrees well enough with all my former computations: the worst whereof doch sufficiently demonstrate, that there are two Millions of People in London, which nevertheless most men do believe, as they do, that there be three Women for one Man, whereas there are fourteen Men for thirteen Wo-

8. We have (though perhaps too much at Random) determined the number of the inhabitants of London to be about 384000 the which being granted, we affert, that 199112 are Males, and 184886 Females, and 184886

9. Whereas we have found, that of 100 quick Conceptions about 36 of them die before they be fix years old, and that perhaps but one surviveth 76, we, having seven Decade between six and 76, we sought fix mean proportional numbers between 64, the remainder, living at fix years and the one which, survives 76, and finde that the numbers following are practically

practically near enough to the truth; for men do not die in exact Proportions, nor in Fractions, from whence arises this Table following.

Viz. of 100 there dies The fourth \_\_\_\_\_\_ of within the first six years 36 The next \_\_\_\_\_ The next ten years, or The next \_\_\_\_\_ The next \_\_\_\_\_ The second Decad \_\_\_\_ 15 The next \_\_\_\_\_ The third Decad \_\_\_\_ 9

10. From whence it follows, that of the said 100 conceived there remain alive at fix years end 64.

11. It follows also, that of all, which have been conceived, there are now alive 40 per Cent. above fixteen years old, 25 above twenty fix years old, & see deinceps, as in the above-Table. There are therefore of Aged between 16, and 56, the number of 40, less by fix, viz. 34; of between 26, and 66, the number of 25, less by three, viz. 22: & see deinceps.

Wherefore, supposing there be 199112 Males, and the number between 16, and 56, being 34. It follows, there are 34 per Cent. of all those Males fighting Men in London, that is 67694, viz. near 70000: the truth whereof I leave to examination, only the \frac{1}{2}. of 67694, viz. 13539, is to be added for Westminster, Stepney, Lambeth, and the other distant Parishes; making in all 81233 fighting Men.

the City of London shall, by the ordinary proportion of Breeding, and Dying, double its breeding Peo-

ple? I answer in about seven years, and (Plagues considered) eight. Wherefore since there be 24,000 pair of Breeders, that is t. of the whole, it follows, that in eight times eight years the whole People of the City shall double without the access of Foreigners: the which contradicts not our Accompt of its growing from two to sive in 56 years with such accesses.

13. According to this proportion, one couple wiz. Adam and Eve, doubling themselves every 64 years of the 5610 years, which is the age of the World according to the Scriptures, shall produce far more People, then are now in it. Wherefore the World is not above 100 thousand years old, as some vainly imagine, nor above what the Scripture makes it.

### CHAP. XII.

## Of the Country-Bills.

WE have, for the present, done with our Obser-Vations upon the Accompts of Burials, and Christnings, in, and about London; we shall next present the Accompts of both Burials, Christnings, and also of Weddings in the Country, having to that purpose inserted Tables of 90 years for a certain Parish in Hantsbire, being a place neither famous for Longevity, and Healthfulness, nor for the contrary. Upon which Tables we observe,

1. That every Wedding, one with another, produces four Children, and confequently, that that is the proportion of Children, which any Marriagable man, or woman may be prefumed shall have. For, though

a man may be Married more then once, yet, being once Married, he may die without any Issue at all,

2. That in this Parish there were born 15 Females for 16 Males, whereas in London there were 13 for 14, which shews, that London is somewhat more apt to produce Males, then the country. And it is possible, that in some other places there are more Females born, then Males: which, upon this variation of proportion, I again recommend to the examination of the curious.

3. That in the said whole 90 years the Burials of the Males and Females were exactly equal, and that in several Decads they differed not 100 parts That in one of the two Decads, wherein the difference was very notorious, there were Buried of Males 337, and of Females but 284, viz. 53 difference, and in the other there died contrariwise 338 Males, and 386 Females, differing 46.

4. There are also Decads, where the Birth of Males

and Females differ very much, viz. about 60.

5. That in the said 90 years there have been born more, then buried in the said Parish (the which both 90 years ago, and also now, confisted of about 2700 Souls) but 1059, viz. not 12 per Annum, one year with another.

6. That these 1059 have in all probability contributed to the increase of London; since, as was said even now, it neither appears by the Burials, Christmings, or by the built of new-housing, that the said Parish is more populous now, then 90 years ago, by above two or 300 souls. Now, it all other places send about \$\frac{1}{2}\$ of their encrease, or \$2\$, about one out of 500 of their Inhabitants Annually to London, and that there be 14-times as many people in England, as there be in London (for

(for which we have given fome reasons) then London encreases by such Advense every year above 8000: the which will make the Accompt of Burials to swell about 200 per Annum, and will answer the encreases. We observe, It is clear, that the said Parish is encreased about 300, and it is probable, that three or four hundred more went to London, and it is known, That about 400 went to New-England, the Caribe-Islands, and New-sound-Land, within these last fourty years.

years, there have been five Christnings for four Burials, although in some single Years, and Decads, there have been three to two, although sometimes (though more rarely) the Burials have exceeded the Births, as in the

case of Epidemical Diseases.

8. Our former Observation, That healthfull years are also the most fruitfull, is much confirmed by our Country Accompts; for, 70 being our Standard for Births, and 58 for Burials, you shall finde, that where fewer then 58 died, more then 70 were born. Having given you a few instances thereof, I shall remit you to the Tables for the general proof of this Affertion. Viz. Anno 1633, when 104 were born, there died but 29. Now, in none of the whole 90 years more were: born then 103, and but in one, fewer then 29 died, viz. 28 Anno 1658. Again Anno 1568, when 93 were born, but 42 died. Anno 1584, when 90 were born, but 41 died. Anno 1650, when 86 were born, but 32 died. So that by how much more are born, by formuch (as it were) the fewer die. For when 108 were born, but 29 died : but when but 86 were born, then 52 died.

On the other-fide Anno 1638, when 156 died per

Annum, which was the greatest year of Mortality, then less then the meer Standard 70, viz. but 66, were born. Again Anno 1644, when 137 died, but 59, were born. Anno 1597, when 117 died, but 48 were born. And Anno 1583, when 87 died, but 59 were born.

A little Irregularity may be found herein, as that Anno 1612, when 116 died (viz. a number double to our Standard 58, yet) 87 (viz. 17 above the Standard 70) were born. And that, when 89 died, 75 were born: but these differences are not so great, nor so often, as to evert our Rule, which besides the Autho-

rity of these Accompts is probable in it self.

9. Of all the said 90 years the year 1638 was the most Mortal, I therefore enquired, whether the Plague was then in that Parish, and having received good fatisfaction that it was not ( which I the rather believe, because, that the Plague was not then considerable at London ) but that it was a Malignant Fever, raging fo fiercely about Harvest, that there appeared scarce hands enough to take in the Corn: which argues, confidering there were 2700 Parishoners, that seven might be fick for one that died: whereas of the Plague more die then recover. Laftly, these People lay longer fick then is usual in the Plague, nor was there any mention of Sores, Swellings, blem-Tokens, &c. among them. It follows, that the proportion between the greatest, and the least Mortalities in the Country are far greater then at London. For asmuch as the greatest 156 is above quintuple unto 28 the leaft, whereas in London ( the Plague excepted, as here it hath been ) the number of Burials upon other Accompts within no Decad of years hath been double, whereas in the Country it hath been quintuple not only within the whole ninety ARREST. YCATS,

years, but also within the same Decad: for Anno 1633 there dyed but 29, and Anno 1638 the above-mentioned number of 156. Moreover, as in London, in no Decad, the Burials of one year are double to those of another: so in the Country they are seldom not more then so. As by this Table appears,

Desad		leaft Imber of Burials
1	66	34
2	87	39
3	117	
	- 53	
76-	89	-50
7		-35
8		-46
9	180	-28

Which shews, that the opener and freer Airs are most subject both to the good and bad Impressions, and that the Fumes, Steams, and Stenebes of London do so medicate, and impregnate the Air about it, that it becomes capable of little more, as if the said Fumes rising out of London met with, opposed, and justled backwards the Instuences falling from above, or resisted the Incursion of the Country-Airs.

10. In the last Paragraph we said, that the Burials in the Country were sometime quintuple to one another, but of the Christenings we affirm, that within the same Decad they are seldom double, as appears by this Table, viz.

greates

number of Burials

1 <del></del>	70	- to
2	-90-	45
3	71-	52
4	93 87	
6	85	63
	103	
	87	

Now, although the disproportions of Births be not so great as that of Burials, yet these disproportions are far greater then at London: for let it be shewn in any of the London Bills, that within two years the Christenings have decreased, to encreased double, as they did Anno 1584, when 90 were born, and Anno 1586, wherein were but 45: or to rise from 52, as Anno 1593, to 71, as in the next year 1594. Now these disproportions both in Births, and Burials, confirm what hath been before Afferted, that Healthfulness, and Fruitfulness go together, as they would not, were there not disproportions in both, although proportional.

thought to have computed the number of Inhabitants in it, viz. by multiplying 58 by 4, which made the Product 232, the number of Families. Hereupon I wondred, that a Parish containing a large Market Town, and 12 Miles compass, should have but 232 Houses, I then multiplied 232 by 8, the Product where of was 1856, thereby hoping to have had the number of was 1856, thereby hoping to have had the number of was 1856, thereby hoping to have had the number of was 1856, thereby hoping to have had the number of was 1856, thereby hoping to have had the number of was 1856, thereby hoping to have had the number of was 1856.

ber of the Inhabitants, as I had for London; but when upon enquiry I found there had been 2100 Communicants in that Parish in the time of a Minister, who forced too many into that Ordinance, and that 1500 was the ordinary number of Communicants in all times, I found also, that for as much as there were near as many under 16 years old, as there are above, viz. Communicants, I concluded, that there must be about 2700, or 2800 Souls in that Parish from whence it follows, that little more then one of 50 dies in the Country, whereas in London it seems manifest, that about one in 32 dies, over and above what dies of the Plague.

12. It follows therefore from hence, what I more faintly afferted in the former Chapter, that the Country is more healthful, then the City, that is to fay, although men dy more regularly, and less per faltum in London, then in the Country, yet, upon the whole matter, there die fewer per rata: so as the Fumes, Steams, and Stenches above-mentioned, although they make the Air of London more equal, yet

not more Healthfal.

are Born for fifty eight Buried, and that before the year 1600 the like happened in London, I confidered, whether a City, as it becomes more populous, doth not, for that very cause, become more unbealthful; and inclined to believe, that London now is more unbealthful, then heretofore; partly for that it is more populous, but chiefly, because I have heard, that fixty years ago sew Sea-Coals were burnt in London which now are universally used. For I have heard, that New-castle is more unbealthful then other places, and

that many People cannot at all endure the smoak of London, not onely for its unpleasantness, but for the

fuffocations, which it causes.

14. Suppose, that Auno 1569 there were 2400 souls in that Parish, and that they increased by the Births 70, exceeding the Burials 58, it will follow, that the faid 2400 cannot double under 200. Now, if London be lefs bealthfull then the Country, as certainly it is, the Plague being reckoned in, it follows, that London must be doubling it self by generation in much above 200: but if it hath encreased from 2 to 5 in 54, as aforesaid, the same must be by reason of transplantation out of the Country.

### The Conclusion.

T may be now asked, to what purpose tends all this laborious buzzling, and groping? To know,

1. The number of the People?

2. How many Males, and Females?

3. How many Married, and Single?

4. How many Teeming Women?

5. How many of every Septenary, or Decad of years in age!

6. How many Fighting Men?

7. How much London is, and by what steps it hath increased?

8. In what time the Housing is replenished after a Plague?

9. What proportion die of each general and particular Casualties? n Diont at sile What

10. What years are Fruitfull, and Mortal, and in what Spaces, and Intervals, they follow each other?

11. In what proportion Men neglect the Orders of the Church, and Setts have increased?

12. The disproportion of Parishes?

13. Why the Burials in London exceed the Christenings, when the contrary is visible in the Country ?

To this I might answer in general by saying, that those, who cannot apprehend the reason of these Enquiries, are unfit to trouble themfelves to ask them.

- 2. I might answer by asking, Why so many have spent their times, and estates about the Art of making Gold? which, if it were much known, would onely exalt Silver into the place, which Gold now poffeffeth; and if it were known but to some one Perfon, the same fingle Adeptus could not, nay, durst not enjoy it, but must be either a Prisoner to some Prince, and Slave to some Voluptuary, or else skulk obscurely up and down for his privacie, and concealment.
- 3. I might answer, That there is much pleasure in deducing so many abstruce, and unexpected inferences out of these poor despised Bills of Mortality; and in building upon that ground, which hath lain waste these eighty years. And there is pleasure in doing something new, though never so little, without pestering the World with voluminous Transcriptions.

4. But I answer more seriously by complaining; That whereas the Art of Governing, and the true Politiques, is how to preserve the Subject in Peace,

Reace, and Plenty, that men study onely that part of ir, which teacheth how to supplant, and over-reach one another, and how, not by fair out running, but by tripping up each other's heels, to win the Prize.

Now, the Foundation, or Elements of this honest harmless Policy is to understand the Land, and the hands of the Territory to be governed, according to all their intrinsick, and accidental differences: as for example; It were good to know the Geometrical Content, Figure, and Scituation of all the Lands of a Kingdom, especially, according to its most natural, permanent, and conspicuous Bounds. It were good to know, how much Hay an Acre of every fort of Meadow will bear? how many Cattle the same weight of each fort of Hay will feed, and fatten? what quantity of Grain, and other Commodities the same Acre will bear in one, three, or seven years communibus Annis? unto what use each soil is most proper? All which particulars I call the intrinfick value: for there is also another value meerly accidental, or extrinsick, confifting of the Causes, why a parcel of Land, lying near a good Market, may be worth double to another parcel, though but of the fame intrinfick goodness; which answers the Queries, why Lands in the North of England are worth but fixteen years purchase, and those of the West above eight and twenty. It is no less necessary to know how many People there be of each Sex, State, Age, Religion, Trade, Rank, or Degree, &c. by the knowledg whereof Trade, and Government may be made more certain, and Regular; for, if men knew the People,

People, as aforefaid, they might know the confumption they would make, so as Trade might not be hoped for where it is impossible. As for instance, I have heard much complaint, that Trade is not set up in some of the South-messen, and North messen Parts of Ireland, there being so many excellent Harbours for that purpose, whereas in several of those places I have also heard, that there are sew other Inhabitants, but such as live ex sponte creatis, and are unsit Subjects of Trade, as neither employing others, nor work-

ing themselves.

Moreover, if all these things were clearly, and truly known (which I have but gueffed at) it would appear, how small a part of the People work upon necessary Labours, and Callings, viz. how many Women, and Children do just nothing, onely learning to fpend what others get? how many are meer Voluptuaries, and as it were meer Gamesters by Trade? how many live by puzling poor people with unintelligible Notions in Divinity, and Philosophie? how many by perswading credulous, delicate, and litigious Persons, that their Bodies, or Estates are out of Tune, and in danger? how many by fighting as Souldiers? how many by Ministeries of Vice, and Sin? how many by Trades of meer Pleasure, or Ornaments? and how many in a way of lazie attendance, &c. upon others? And on the other fide, how few are employed in raising, and working necessary food, and covering? and of the speculative men, how few do truly studie Nature, and Things? The more ingenious not advancing much further then to write, and speak wittily about these matters.

(70)

I conclude, That a clear knowledge of all thefe particulars, and many more, whereat I have shot but at rovers, is necessary in order to good, certain, and case Obvernment, and even to balance Parties, and factions both in Church and State, But whether the knowledge thereof be necessary to many, or fit for others, then the Sovereign, and his chief Ministers, I leave to confideration.

Acompose gradia a system to transfer talls at the

tone of a transfer of the second of the seco

and the control of the second of the control of the - 1860 and brace bound decrease of the selection was not allowed

y de principal of Vice, and that now many by work box searcher Charles and and and and how and the state of t Successful was not the administration of the successful and the succes Lies thought in the control of the second to be a lies by contribute and of that a country a men, how few do unity hadre Newlat and Thomas Thomas on decircal or cody and a decir the for theory or the orth.

The Design State the Land Sound Lead box

The

6614 6614 6783 603 603 603 603 603 603 604 603 604 603 604 604 604 604 604 604 604 604 604 604	44 6604 6614 6785 62 6388 63 6785 17 52 190 64 6846 22 7208 7683 7985 7085 14 9 7683 7985 7085 15 27 7083 7085	040	1		607 67	600	€ (T)	649	017 CE:	144	SOR	s of l	hriftned
62 6845 6388 6785 7014 752 52190 64 6986 16 6846 22 7208 7683 7985 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 7845 7845 80391 78641	62 6845 6388 6785 7014 752 52190 64 6986 16 6846 22 7208 7683 7985 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 77471 77935 81927 7845 7845 80391 7865	<b>.</b>				C L		Q1 .		A 8		4.	6504
17 7014 752 52190 64 6986 6846 22 7208 7085 7085 77471 77358 81271 603808 7845 80191 7806	7014 752 7014 52190 64 6986 6846 22 7208 7085 7085 77471 77358 81271 603808 7845 80191 7806					1294			17.7	5.5	10	2	6845
64 6986 6846 7208 7208 7985 7985 7985 7985 8327 60328 8327 60328 7845 80391 78046 70046	64 6986 6846 7208 7208 7985 7985 7985 7985 8327 60328 8327 60328 7845 80391 78046 70046		*1				* 0:		ľ			7	7014
7,000 7,	7,000 7,			3 C 1	11	8 61.			\$ 15 \$ 15	< 1 Q		16	6986
77471 77851 9 81371 78: 603868 7845 80391 7806	77471 77851 9 81371 78: 603868 7845 80391 7806	301	77 2 ns		14	6	0.0	57.	1450		40	17	7683
7845 7845 7845 7845 7845 7845 7845 7845 7845 7845 7846 7846	7845 7845 7845 7845 7845 7845 7845 7845 7845 7845 7846 7846	for	1 451 <sub>0</sub>	8	122	26	CQ .	47.	YOL	08	6.5	6.	77471
3. 17 SE OZ SZ ZZ OZ ZZ	3. 17 SE OZ SZ ZZ OZ ZZ	28	4.6		4 4	27	25	25	20	: 2	01	1.5:	60326
	3	8.		8.5	100	52	65	67	72	25	68	16	78941
869 600 600 600 600 600 600 600 600 600 6	8 6 9 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1	3.	6 6 8	Ž I		1.7	1	000	6	53	A 50	200	8209; 6388;
3 8564 9933	35 35 35 35 35 35 35 35 35 35 35 35 35 3	70	50.5	<b>5</b>	57	28		60 C S	62	25	200	ide ide	62136
	88 50 126 126 158 15 15 15 15 15 15 15 15 15 15 15 15 15	17	41	944	\$15	20	21	9 2	01		1	200	8564 9903

ISSNER DETTE ON THE SERVICE

						The	T	sble	of	61	159	U A	L	TI.	ES.								1630	1634	1648	1651	1656	1619	in 20
The Years of our Lord				1000000	1651 389		33375246				13 3 5 5 E.C.	SECTION OF	532 653	现象统治	生化设施。	5841265	PERMIT		500 Sec. 1965	00000000	20000000	1636	1632	1636	1650	BURNESS &	1658	1659	Years.
Ague, and Fever Apoplex, and Sodainly	910	835	889	696	780 1038 106	634	864	974	743	892	869	1176	909	1095	579	712	601	671	704	623	704	714	2475	2814	3336	3452	1680	377 4010	15757 23784 1306
Bleach Blafted Bleeding	4 2	1 2	I	3	7 6	6	2	2	4	2	5	5	3	8	13	8	10	13	6	4		4	54	14	4 5	9 12 12	14	16	99
Bloody Flux, Scouring, and Flux Burnt, and Scalded Calenture	155 3 1	176 6	10	289 5	833	762 8	2	7	10	,	3	<1	6	3	3	10	7	.5	1	3 3	346 12 1	330	25	1466	1422 24 2	31	26	1597	7818 125
Cancer, Gangreen, and Fistula Wolf Canker, Sore-mouth, and Thrush	66	28	54	8	68	51	53	72	44	81	19	27	71	63	6	4	4	1			<	30	15	79	1 00	157	161	114	689
Colick, and Wind	1369	1254	1065	990	206 1237 76	1280	10501	1343	1080	1393	1102	1144	858	1123	2596	2378	2035	1268	2130	315	2113	1895	590 9277 105	668 8453 87	498	769 1910 4 359	839 788 497	490	3364 32106 1389
Cold, and Cough Confumption, and Cough Convulsion	2423 684	491	530													\$8 1910 87	51 17 <sup>13</sup> 18	55 1797 241	45 1754 221	54 955 386	50 080 2 418	57 477 709	5157 498	207 3266 8 1734 2	9999	77 914 656 3	140 2157 377	43 7197 1324	44487 9073
Cramp Cut of the Stone Dropsfy, and Tympany		2	1	3	441	1	1	2		1	3		6	4			1	5	1	5	0	0	10	10	01	0	12	1 302	38 9623
Drowned Excessive drinking Executed	<b>4</b> 7	17	20 29	43	49	12	19	21	19	49	20	18	57	18	19	13	12	18	13	32	13	13	62	52	2 97	76	79	130	827 2 384
Fainted in a Bath Falling-Sickness Flox, and small Pox	139	400	1190	184	525	1279	4	812	1294	823	835	409	1523	354	71	10	7 58	531	2 72 1	354	6 293	8 127	7011	8 6 1	10	8 755 3	361 2	2785	74 10576
Found dead in the Streets French-Pox Frighted	18	29	15	18	21	20	20	20	3 29 1	23	25	53	51	31	17	12	12	12	7	17	12	24 22 3	53	48	80	81	130	8 <sub>3</sub>	392 21
Gout Grief Hanged, and made-away themselves	12	13	16	7	17	14	11	17	10	13	10	13	13	4 36	18	20	22	11	14	17	7 5 8	20	71 37	56	35 48 48	25 59 47	36 45 7 <sup>2</sup>	28 47 32	279 222
Head-Ach Jaundice Jaw-faln	57	35	39	49	3	43	57	71 2	61	41	46 3 80	77	102		47	59 16 76	35	43	35	45	54	11	47	35	02	5	17 225 6	188 19	998
Impostume Itch Killed by several Accidents	75 27	57	65 59 22	59 94 19	47	105	57	58	92 51	43	5 <sup>2</sup>						73 47 18	46 38	10	41 20	SI	60	202	10	01	207	194	148	1639
King's Evil Lethargy Leprofy	3	4	1	4	4	4	3	10	9	4	38	2 1	6	4 2	1 2		_ 2	87	3 82		3	2	97	7 2 .	94	21	21	9	537 67 06
Livergrown, Spleen, and Rickets Lunatique Meagrom	53 12 12	18	6	59	7 8	72	67	12	6	7 6	13	5 6 80	14	14	94	11	99 6 24	5	4	77	98	23	28	13	47	39	31 22	1 58 26 05	1421 138 132
Meafles Mother Murdered	3	2	7	5 28	4	1 3	3	2	2 9	3 6	5	3 7	70	20	i	IO	3	7	21	6	5	3 8	01	83	133	4 13	8 27	51 02 77	757 18 86
Overlayd, and starved at Nurse Paliy Plague	25 27 3597	,21 611	19	20 15	23	20	39	18	9 87	23	20 4 446	22 14	17 36 253	\$1000 EVE	17	1317	274	25	14	21	25	17	599.10		87	90 61	87		525 423 16384
Plague in the Guts Pleurify Poyfoned	30	26	13	7	23	19	17	23	10	9	56	16	12	10	26	24	26	36	21 2		45	24	00	90	89	72 00	52 00	51	991 415 14
Purples, and Spotted Fever Quinfy, and Sore-throat Rickets	145	11 224	12 216	17 190 120	SECTION NO	20 3 29	18		15 347 166	13 458 213	7 317 203	10 476	21 441	14 521	01	8	6	38	24	125 04 14	5 9	397 22 50	22	791 55	300 54 780 T	71	45 598	34 657	247 3081
Mother, rising of the Lights Rupture Scal'd-head	2 32	20	21	21	134	43	7	178	103	30	82	18	72	249 28	. 2	6	4	9		3	-	13	309	30	36	45	68	21	2700 201 53
smothered, and stifled sores, Ulcers, broken and bruised shot (Limbs	15	17	17	16	26	32	25	32	23	34	40	2000年	61	48	23	*4	20	48	19	19	32	29	91	89	65 1	115 1	44	141	593 26 504
Spicen Shingles Starved	12	17	8	7	. 1	2	13	.13	3	6	3	5	7 1	7	<b>n</b> .			1	1				14	1	29	26	13	07 07 1 29	68
Stich Stone, and Strangury	45	42	29	28	50	41	44	38	49	57	72	69	22	30	35	39	58	56	58	49	3 3	5	188	185	1 1 1 1	73 2	13	51	937
Stopping of the Stomach Surfet	29 217	29 137 4	30 136 3		55 104		1		94 128 2	145 161	1	218	202	192	4	8	149	86	104	114	132	31	145	721	121	295 2	147 544	216 401	669
Teeth, and Worms Tiffick	767	47	540	11							57	66		8001	8	505 13 23	335 14 17	470 34 40	432	454	5394 27	37 7	68	53229	09 34	136 39	15 1	319	4236 242
Thruth Vomiting Worms Wen Sodainly	1 147	107	105	75	85	6 86 2	53	14	7	27	16	19	. 8	10	19	31	28	37	19	28	27	3	7	24 4	24 2	27	69	13	136 810
Sodainly	1					1			1				1		63	59	37	63	58	62	78	1	ail a	33			1	69	

I conclude particulars, at rovers, is a cafe Govern factions both knowledge to others, then to leave to confi

-uouswork-

essive se si se garberali con vindo se si enclo da bu

w many ty
and Low
which was and
y local and
how few
let more in-

(223)

AS:

17

57 35

21 6 65

3 - 2

4. 4.1 7. 4.1 9.5. 40 8.5

2 2 2 3

110

1 05 0

14 74 7ET

vanding Chiles

Lintipe Letiningsia

phina data in the control of the con

eredut il ban en sign and il tekno

duct in box

From esq. ....

Anno	97	16	Out-Pa-	Buried	Belides of	m1-10-
Dom.	Parifies	Parishes		inall	thePlague	Christne
1604	1518	2097	708	4333	895	5458
1605	2014	2974	960	5948	444	6504
1606	1941	2920	935	5795	2114	6614
1607	1879	2772	1019	5670	2352	6582
1608	2391	3218	1149	6758	2162	6845
1609	2494	3610	1441	7545	4240	6388
1610	2326	3791	1369	7486	1803	6785
1611	2152	3398	1166	6716	627	7014
	16715	24780	8747	50242	14752	52190
1612	2473	3843	1462	7778	64	6986
1613	2406	3679	1418	7503	16	6846
1614	2369	3504	1494	7367	22	7208
1615	2446	3791	1613	7850	37	7683
1919	2490	3876	1697	8063	2.95	7985
1617	2397	4109	1774	8280	2080	7347
1618	2815	4715	2066	9596	18	7735
1619	2139	3857	1804	7999	9	8427
300	19735	31374	13328	64436	17.5:	60326
1620	2726	4819	3146	9691	21625	7845
1621	2438	3759	1915	8112,	11	8030
1622	2811	4217	2392	8943	16	7894
1623	3591	4721	2783	11095	17.	7945
1624	3385	5919	2895	12199	2461	8299
1625	5143	9819	3886	18848	35447	6988
1626	2150	3 286	1965	7696	136-1	6701
1627	2325	3400	1988	72361	2162	18468
0695	24569	39940	19970.	84000	3 568 12	62524
1628	2412	3311	3017	7740	880 3 m	8564
1629	2536	3992	2243	8775	8-8-	9991
1690	2506	4301	2 915	9237	1317	9313
1631	2459	3697	2135	8288	274	8534
1632	2704	4412	2411	9527	8	9584
1633	2378	3936	2078	8392	0	9997
1634	2937	4980	3982	10399	1	0855
1635	2742	4966	2943	10651	0	10014

# (72) The Table of Burials, and Christenings in London.

Anno Dom.	97 Parithes	Parifhes	Out-Pa-	Buricd in all	Belides of the Plagne	If he line
1636	2835	6924	3210	13959	10400	9522
1637	2288	4265	2128	8681	308z	9160
1698	3584	5936	375	13261	363	10111
1639	2592	4344	2612	9548	314	10150
1640	2919	5156	3246	11321	1450	10850
1641	3248	5092	3427	11767	1375	10670
1642	3176	5245	3578	11999	1274	10370
1643	3395	5552	3269	12216	996	.9410
0/40	23987	42544	25221	91752	19244	80443
1644	2593	4274	2574	9441	1 1492	8104
1645	2524	4639	2445	9608	1871	7966
1646	2746	4872	2797	10415	2365	7163
1647	2673	4749	3042	10462	3597	7332
1648	2480	4288	2515	9283	011	6544
1649	2865	4714	2920	10499	67	5825
1650	2301	4138	2310	8749	15	5612
1651	2845	5002	2597, 1	10804	23	6071
7845	21026	36676	21199	78896	10041	54617
1642	3293	5719	3546	12593	16	6128
1653	2527	4635	2919	18001	6	6155
1654	3323	6063	3845	13231	16	6620
1615	2761	5148	3439	11348	9	7004
1656	3327	6573	4015	13915	16	7010
1657	30I4	5646	3770	12430	4	6685
1628	3013	1692	4443	14979	34	6170
1650	3431	6988	4301	14720	36	5690
Adre	25288	47505	20278	10326	107	£1502
-1508	3098	7	3036	12068	***	5.1592
1000	3804	2443	2000	医胃肠管炎 医多克 医上部	900	6971
1467	1 2445 ]	1.84.8	2754	10045	6530	8855
4872	8	1 6255	1、对特定	4412	2704	1632
15.66		25558	2078	3930	9282	1633
55.05	1,11	Q1 01		1 084	1 22	200
4400	1101	Pardus	2945	1004	20004	CCV

The Table following contains the Number of Buriels, and Christinings in the seven Parilles here under-mentioned, from the year 1636 unto the year 1659 inclusive; all which time the Buriels, and Christinings were joyntly mentioned: the two last years the Christinings were omitted in the yearly Bills. This Table consists of seventeen Columns, the Total of all the Buriels being contained in the fixteen Columns which Number being added to the Total in the precedent Table of Buriels, and Christinings, makes the Total of every yearly, or general Bill.

Note, where there follows a second Number under any year, it denotes those, who died that year of the Plague.

An.Do	wegm.					beth, Ch.		ch.	B. 10	ch.	kney B.	, Kes	B.	Ch	Par.T	ot 7.Pe
636	STATISTICS.	Marian Company		-	S. Service	5030 FASSES #		881	THE REAL PROPERTY.	The same of the same of			-	-	CONTRACTOR STATES	of the second
	442	Section Code	30	20120000	45	EXCELS (5.00)	909	\$250.045000000000000000000000000000000000	342	Maria Caracteria de la compansión de la co	114	No.	20	100000	170	NO. (2000)-001000
637	C250 000 000 000	SHEET THE STORY	POCUPE TO THE STATE OF	E0.65,70(6.3)	100000000000000000000000000000000000000	E255567437620	MINE CONTRACT	838		AND DESCRIPTIONS OF THE PERSON NAMED IN COLUMN TWO PERSONS NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TRANSPORT NAMED		E00099004		600000	2010/06/05	N PERSONAL PROPERTY.
103/	301	770	17		18	Marian and with the	153	DESIGNATION AND PARTY.	H72544 RESERVE PRIN	0.0		100000000000000000000000000000000000000	ADM: INCOME.	20022000	521	SI DESCRIPTIONS
6.8		562	STATE OF THE PARTY	40	STATE OF STREET	STATE OF THE PARTY	All Control of the Control	908	E088 T0850	\$ \$555 (SS)		\$1000 1000	(S) \$1,055A	School Street	\$5000m00000	6 (0)230033388
10,0	126		-10	47	8	140	1.	. gor	.,,	140	13.3	Uy	/7		477/	193
1639		543	22		105	122	070	006	. 8-	100	24	==	Q1		2001	
1039		ידי	3	33	177	.3.	1 78	956	10/	. 32	1	22	٥.			194
1640	754	665	34	24	187	143	1106	983	1.80	104	76	54		77	2440	
.0.,0	61		77	77	6	1.4-	100	955	109	. 74	10	77	22		18	1
1641	602	625	02	76	.68	127	1250	1037	170	122	82	72	60	64	2508	
.04-	40			/	100	1.3/	30	1037	1/0	. 3/	4	13			128	414
1642	671	610	2	21	7.40		1270	1158	160	144	28	68	62	-2	2480	
.07-	27		30	7.	12	8 B-2 (10) U.S.( 5) (1)	20	6 COURSE Device Co.	17	100000000		国			-00	420
1643	666	502	105	60	EN-1363-755-15		Committee of the Commit	1013			20	16	7	63	1471	220
,	25		• • • •	1	1	1	8,	1013	86		23		2	1		203
1644	ESUS-SECTION AND	429	61	50			1183	933	94002222	0000000000		44	70	82	2186	
****	35		8	1,3	8	N MARCONILLAN	260	A RESIDENCE AND A STATE OF	100		27		17			175
1645	01127455450	444	64	62	(E) (E) (F)	DOUGH.	1171	S REPORTED	. 27	1.10	ex	60	50	100		
.07)	62	BARREST TO	23	153		1.14	150	0/3	-8		13				300	1,17
1646	608003belless	MISSESSESSES	8-	61	127		1-220	960	1.76	110	106	63	47	49	中的	.06
.040	76		8	198	<b>100</b>	100	37	A.		98	150		a		2009	100
1647	739	464	IOS	56	161	04	1126	926	129	85	88	45	42	44	2393	168
	114			圖	25		115	SA	28	2.5	10		4		014	
1648	161	384	68	46	87	47	837	767		20	157	42	45	16	104	140
	41						31	4		125	16			檀	05	
1640	558	333	90	44	131	44	818	625		154	90	49		屬	1807	110
			-61	25.0	360	2.10	123		150	G.	E.	1		厅		(100 miles)
1650	470	413	78	54	88	50	748	172	55	65	61	12	50		3116	
				艦	13		P-538.5	1			髓	輔	E.			12170
1651	580	345	105	51	127	245	961	634	191		60	40				350
		課題		諲				1		陳修	1	疆			20	
1612	649	432	99	36	175	50	1212	657	198	8	71					
鹽樓					12					野哥	震	疆		45.6	l el	
1851	567	394	69	46	130	54	1064	620	195	70	70			28		
								1				36	题		0.8	
1514	657	401	-96	65	1166	76	1252	803	236	106	78	34				
05	<b>宣告社</b>														1063	
1051	676	414	10	186	1 14	111	11190	310	172			37	03	37		
	是基礎	域體			經濟			0.1				+++			· ec	
	30	BOB	110	180	120	100	teds	1								

(2254)

					1	A 1990 100	COLUMN TO
The To	bleat	Malee	and F	emales	for	Long	on.
	COURT OF	color scientischen	Marie Control of the		N DodGIS		Constants

100	Lable of Mi		Christen	
An. Dom;	Title !	ried Females	Males	Females !
10-11-11-11	26.50		The first property of the prop	
1610	1	4103	5218	4683
1630	5000	4894	4858	4457
1631	4549	4013	4423	4590
1653	4932	4023	4994 5158	4839
2634 V	5676	5224	5035	4820
1635	5548	5103	5106	4928
1636	12377	10982	4917	4605
THE RESERVE OF THE PARTY OF THE	47779	43945	39708	37024
1637	6392	5371	4703	4457
2638	7168	6456	5359	4952
1639	5351	4511	5366	4784
1640	6761	6010	5518	5332
Total	73451	65293	60664	56549
1641	6872	6270	5470	5200
1642	7049	6224	5460	4910
1643	6843	6360	4793	4617
1644	\$659	5274	4107	3997
2645	6014	5465	4047	3919
1646	6683	6097	3768	3395
1647	7313	6746	3796	3536
1648	5145	4749	3363	3181
(417 (42) P	91377	47185	34804	92755
1649	5454	5115	3079	2746
1 26go	4548	4216	3890	2722
36JL 10	5680	5147	3231	2840
1 2032	0543	6036	3220	2908
	3416	4671	3196	2959
	0972	6175	3441	3179
	003/	5330	365 S	3349
	関でも	6556		3382
A DESCRIPTION OF THE PARTY OF T	4400)	41333	26380 1	24085
1617	0.76	5850	3396	3289
8. 3. 3. 3. 3.	7936	7057	9109	1981 (191
1 1 1 1 1 1	7451	7305	3724	2247
	7960	POR BOOK AND ADDRESS OF THE PERSON OF	13186	12220
THE RESERVE OF THE PARTY OF THE	29935	27376	<b>国が国際とした。公司を支援</b>	<b>高級をよってした。他が現場を</b>
Tool	20 Soco	181180	775014	136750

Table by Decads of years for the Country-Parish

			id Family 1 sail
319	300 61	9 314	201 485
45		2 287 6 337	300 580
346		3 240	STREET, STREET, SAN STREET, SAN
w 12.	258 77	338	386
10.	373 74	1 195	965

# The Table of the Country Parifo.

Years nicants	Wed-	0000 <b>000000000000000000000</b>	hriftn F. Bo	CONTRACTOR I	M.	F.	Both
1569	14	38	30	68	23	25	44
1571	18	28	26	54	23	37	50
1572	23	32	32	54	10	14	34
1573	16	21	36	70	24 28	38	66
1574	24	37	29	66	19	19	34
1576	22	33	37	70	16	18	34
1577	13	31	35	64	25	CONTROL SECTION	50
212. 1-:	1 100	312	302	614	214	221	435
	NOTES - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878 - 1878	LARSON STORES.	2017/00/E0000000	ACRES DE L'ANNE DE L	NO CONTRACTOR OF CO.	Charles and a	
(							
1579	175	35	36	71	1 27	27	SECULO (III)
1579	. 21	43	31	74	38	41	79
80	X25053559 (2000)	N. Water and the control of the cont	BULL HORSE	200000000		III SEESALUMES	79 98
80 81 82 83	21 29 22 22	43 20 28 32	31 33 29 27	74 62 57 59	38 34 18 35	4I 24 2I 52	79 38 39 87
80 81 82 83 84	21 29 22 22 15	43 20 28 32 46	31 33 39 37	74 62 57 59 90	38 34 18 35 22	41 24 21 52 19	79 98 39 87 41
80 81 82 83 84 85	21 29 22 22	43 29 28 32 46 26	31 33 29 27	74 62 57 59 90 47	38 34 18 35 22 15 24	41 24 21 52 19 37	79 98 39 87 41
80 81 82 83 84 85 86 87	21 29 22 22 15 15 18	43 29 28 32 46 26 26 34	31 33 99 97 44 21 33	74 62 57 59 90 97 95 65	38 34 18 35 22 15 24 43	41 24 21 52 19 37 37 36	79 38 39 87 41 42 61
80 81 82 83 84 85 86	21 29 22 22 15 15 18 18	43 29 28 32 46 26 22 34 33	31 33 99 97 44 21 34 34 34	74 62 57 59 90 97 95 65	38 34 18 35 22 15 24	41 24 21 52 19 37 37 36 18	54 79 58 39 87 41 42 61 79

## The Table of the Country-Parish.

	Commu-	Wed	-	Christ	ened	7) -8	Bu	ried
Years	nicants	dings	I M.	. F.	CALL AND A SUPPLY	b   M	(.   F.	Bo
1589		20	131	1 27	58	28	1 1	1 44
90		16	40	29		36	21	SPECIAL VILLE PROGRAMMENT COMPANIES
91		12	37	28	65	35	30	65
92		14	40	25	65	58	139	47
93		20	32	20	5.2	33	32	65
94		24	34	37	71	16	22	COLUMN TO THE RESIDENCE OF THE PARTY OF THE
95		16	32	28	80	33	28	61
96	4	9	36	26	62	42	29	
97		23	23	25	48	53	64	117
98		21	37	29	66	1 33	1 23	66
1999	1	10.1	45.1	ai l	76	21	22	1 49
600	100	16	45	34	60	20	26	43.
601		16	39	32	71	18	12	30
601		14	31	32	63	29	18	47
603		12	31	38	69	32	39	71
604		21	42	35	77	26	27.	53
605		19	47	34	18	21	12	33
606		19	29	41	870	28	23	51
607	T ga	27	36	47	83	33	19	52
608	1.5	17	40	53	93	21	21	842
500 II.						THE PARTY OF THE P		

## The Table of the Country-Parish.

		Christened			Buried			
Years	Weddings	M.	F.	Both	M.	F.	Both	
1609	23	30	31	61	24	41	65	
10	19	46	30	76	33	40	73	
11	25	40	41	81	41	32	73	
12	20	55	32	87	53	63	116	
13	24	41	33	74	47	41	88	
14	25	50	35	85	27	36	63	
15	22	35	48	83	28	36	64	
16	14	38	36	74	27	41	68	
17	17	45	31	76	35	28	63	
1618	8	37	41	78	23	28	51	
	707	472	2481	775	2201	386	724	
	10/1	41/1			4401	4001		
		1-7-1	3,01	////	3,01	900 1	/	
1619	21	37	43	80	26	28	54	
1619		37 34	43 51	80 85	26	28	54 48	
CALST APPROPRIES VIEW TO A STATE OF	21	37	43 51 37	80 85 68	26	28	1.	
20	21	37 34 31 45	43 51 37 38	80 85 68 83	26 18 28 20	28	54 48 64 46	
20 21	21 20 21	37 34 31	43 51 37 38 36	80 85 68 83 76	26 18 28 20 56	28 30 36	54 48 64 46 87	
20 21 22 23 24	21 20 21 23 14	37 34 31 45 40 30	43 51 37 38 36 36	80 85 68 83 76 63	26 18 28 20 56 29	28 30 36 26	54 48 64 46 87	
20 21 22 23 24 25	21 20 21 23 14 19	37 34 31 45 40 30 37	43 51 37 38 36 36 33 41	80 85 68 83 76 63 78	26 18 28 20 56 29 36	28 30 36 26 31 35 20	54 48 64 46 87 64 56	
20 21 22 23 24 25 26	21 20 21 23 14 19 7	37 34 31 45 40 30 37 30	43 51 37 38 36 36 33 41 35	80 85 68 83 76 63 78	26 18 28 20 56 29	28 30 36 26 31 35	\$4 48 64 46 87 64 56	
20 21 22 23 24 25 26 27	21 20 21 23 14 19 7 9	37 34 31 45 40 30 37 30	43 51 37 38 36 33 41 35 23	80 85 68 83 76 63 78 65 68	26 18 28 20 56 29 36	28 30 36 26 31 35 20 29	54 48 64 46 87 64 56 50	
20 21 22 23 24 25 26	21 20 21 23 14 19 7	37 34 31 45 40 30 37 30	43 51 37 38 36 36 33 41 35	80 85 68 83 76 63 78	26 18 28 20 56 29 36 21	28 30 36 26 31 35 20 29	\$4 48 64 46 87 64 56	

T 2

The

(76)
The Table of the Country-Parish.

Christened Buried									
Years	Weddings	M.	F.	Both.	M.	F.	Both		
1629	22	53	38	91	46	28	74		
30	8	58	45	103	26	27	53		
31	20	42	29	71	26	33	59		
1101132	16	43	50	93	15	21	36		
33	12	38	65	103	18	11	29		
34	23.	30	45	75	18	26	44		
35	4 4 11	39	32	71	18	17	35		
36	15	50	37	87	42	48	90		
37	13	35	36	71	25	35	60		
1638	13	30	36	66	83	73	156		
	153	418	413	831	317	319	636		
1639	18	24	31	55	48	66	114		
40	II	44	41	85	35	39	74		
41	21	34	19	63	34	36	70		
42	21	48	39	87	32	29	61		
43 1	8	30	42	72	59	28	87		
- 44	16	33	26	59	65	72	137		
45	10	43	41	84	28	29	57		
46	11	32	35	67	24	32	56		
47	12	28	46	74	25	21	46		
48	9	35	27	62 1	25	31	56		
12.0	137	351	357	708	375	383	758		
1649	9	22	37	59	46	34	80		
50	9	55	31	86	25	27	52		
0 31	2 03 7	25	27	52	11	21	32		
52	14	34	28	62	20	25	45		
53	9	47	24	71	31	14	35		
54	15	34	37	71	14	25	39		
55	38	35	34	69	28	19	47		
550	28	40	30	70	18	15	33		
57	37	23	43	66	22	25	47		
58	16	39	29	68	13	15	28		
	182			674	218	220	1438		

Advertisements



Advertisements for the better understanding of the several Tables: videlicet,

Concerning the Table of Casualties consisting of thirty Columns.

He first Column contains all the Casualities happening within the 22 single years mentioned in this Bill.

The 14 next Columns contain two of the last septenaries of years, which being the latest are first set down.

The 8 next Columns represent the 8 first years, wherein the Casualties were taken notice off.

Memorandum, That the 10 years between 1636 and 1647 are omitted as containing nothing Extraordinary, and as not confiftent with the Incapacity of a Sheet.

The 5 next Columns are the 8 years from 1629 to 1636 brought into 2 Quaternions, and the 12 of the 14 last years brought into three more; that Comparison might be made between each 4 years taken together, as well as each single year apart.

The

The next Column contains 3 years together, taken at 10 years distance from each other; that the distant years, as well as consequent, might be compared with the whole 20, each of the 5 Quaternions, and each of the 22 single years.

The last Column contains the total of the 15 Qua-

ternions, or 25 years.

The Number 229250 is the total of all the Burials in the said 20 years, as 34190 is of the Burials in the said 3 distant years. Where note that the 3 of the latter total is 11396, and the 3 of the former is 11462; differing but 66 from each other in so great a sum, videlicet scarce 300 part.

# The Table of Burials, and Christnings, consisting of 7 Columns.

It is to be noted, that in all the several Columns of the Burials those dying of the Plague are left out, being reckoned all together in the fixth Column: whereas in the original Bills the Plague, and all other diseases are reckoned together, with mention how many of the respective totals are of the Plague.

Secondly, From the year 1642 forwards the accompt of the Christnings is not to be trusted, the neglects of the same beginning about that year: for in 1642 there are set down 10370, and about the same Number several years before, after which time the said Christnings decreased to between 5000 and 6000 by omission of the greater part.

Thirdly, The several Numbers are cast up into Osto-

naries, that Comparison may be made of them as well as of single years.

## The Table of Males, and Females, containing 5 Columns.

First, The Numbers are cast up for 12 years; videlicet from 1629, when the distinction between Males and Females first began, untill 1640 inclusive, when

the exactness in that Accompt ceased.

Secondly, From 1640 to 1660 the Numbers are cast up into another total, which seems as good for comparing the Number of Males with Females, the neglect being in both Sexes alike, and proportionable.

The Tables concerning the Country-Parish, the former of Decads beginning at 1569, and continuing untill 1658, and the latter being for fingle years, being for the same time, are so plain, that they require no further Explanation then the bare reading the Chapter relating to them, &c.

FINIS.